

*"Going the Distance for EMS"*

# 40TH ANNUAL Arrowhead EMS Association Conference & Expo

JANUARY 22 – 26, 2020



# WELCOME

40TH ANNUAL ARROWHEAD EMS CONFERENCE & EXPO

The staff at Arrowhead EMS Association would like to personally welcome each of you to the 40<sup>th</sup> Annual Arrowhead EMS Conference and Expo. It's an exciting time as we continue to grow, remaining always adaptable, motivated and open to new ideas.

Our objective is to provide Emergency Medical Services personnel with applicable knowledge to better manage, treat, and assess various traumatic and medical-related emergencies, and to provide the tools to continuously improve the overall management of services.

Please find everything you need in our newly designed conference booklet. If you have any questions, please come see us at the walk-in registration area.

## ATTENDEE BOOKLETS INCLUDE:

Evaluation Instructions	Presenter Information
Presentation Information	AND MUCH MORE!
Certificate of Attendance Card	

Here are a few important items to know during our conference and expo:

- Your attendee ID Badge will be your entrance key into all conference & expo events, including classes, lunch, exhibitor areas and special events. You will be provided instruction on how to enter the prize drawings held throughout the conference. Visit the Arrowhead EMS Association booth in the expo hall for more details. Prizes are generously donated by area businesses, sponsors, exhibitors and Arrowhead EMS Association.
- At the end of each session you will receive a CEU label to place on your "Certificate of Attendance" card located in the back of this booklet.
- Please visit the exhibitors in South Pioneer Hall during breaks and meals. Expo opens at 7:00 am on Friday and Saturday with light refreshment options and coffee.
- Registration includes lunch. Additional lunch meal tickets must be purchased for \$15 at the walk-in registration desk.
- And as always, out of respect to others and the presenters, please either turn off cell phones/pagers or set to silent/vibrate mode.

Finally, we thank you all for attending and bringing your expertise to our conference. You are truly our greatest asset and we could not accomplish what we do without your participation. We sincerely hope you will enjoy the next several days of sessions and networking.

Sincerely,

*Adam Shadiow, Sarah Zayas, Pam Kuschner, Jo Thompson, and Caitlin Korpi*



# EXPO-SOUTH PIONEER HALL

## EXPO HOURS:

**Friday: 7:00 am – 3:00 pm**

(7:00 – 8:00 am Light Refreshment Options and Coffee with Exhibitors)

**Saturday: 7:00 am – 3:00 pm**

(7:00 – 8:00 am Light Refreshment Options and Coffee with Exhibitors)

## ID BADGES REQUIRED:

**\$25.00 Expo Only ID Badge available**

### AEMSA CONFERENCE & EXPO PLANNING TEAM

**Sue Bengtson**  
Essentia Health EMS

**Jeff Cartwright**  
Blackhoof Fire Department

**Rob Devin**  
Essentia Health

**Geoffrey Galaski**  
Ely Area Ambulance Service

**Charles Gallet**  
Arrowhead CISM Team

**Lucas Goodin**  
Cromwell-Wright Fire & Ambulance

**Marlyn Halvorson**  
Itasca County Sheriff's Office

**Caitlin Korpi**  
Arrowhead EMS Association

**Pam Kuschner**  
Arrowhead EMS Association

**Mike McNulty**  
Moose Lake Police Department

**Nathan Myers**  
International Falls Fire & Ambulance

**Amy Saylor**  
Life Link III

**Adam Shadiow**  
Arrowhead EMS Association

**Jo Thompson**  
Arrowhead EMS Association

**Nicci Trierweiler**  
Kerrick Fire & Rescue

**Sarah Zayas**  
Arrowhead EMS Association

## SAVE THE DATE

**41<sup>st</sup> Annual  
Arrowhead EMS Association's  
Conference & Expo  
January 20 – 24, 2021**

## WE VALUE YOUR OPINION

Thank you for attending Arrowhead EMS Association's  
40th Annual Conference & Expo.

**Please help us maintain a quality conference &  
expo by taking a few moments to complete  
your online evaluation.**

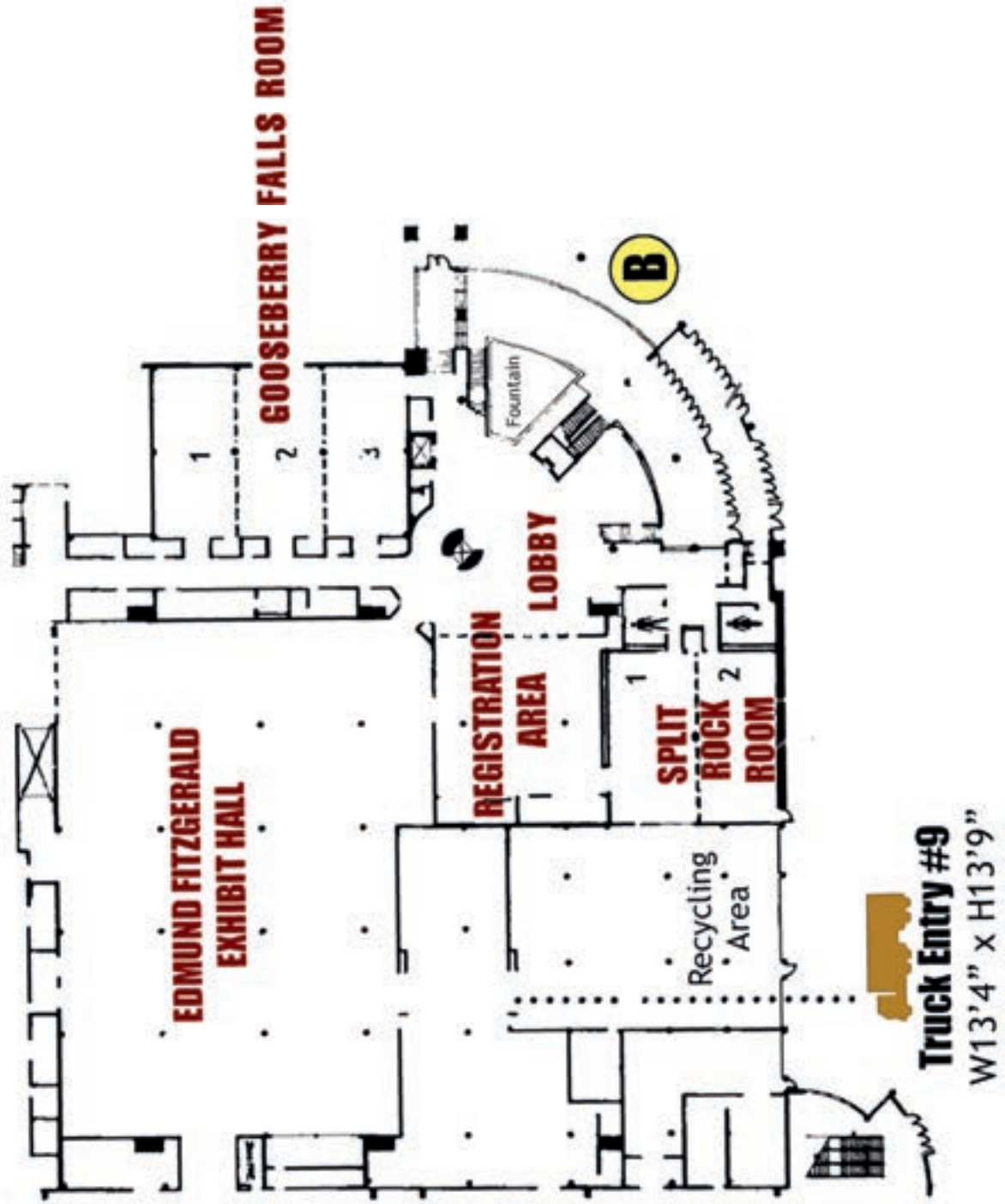
[www.goingthedistanceforems.com](http://www.goingthedistanceforems.com)

## YOU ARE THE BEST OF THE BEST

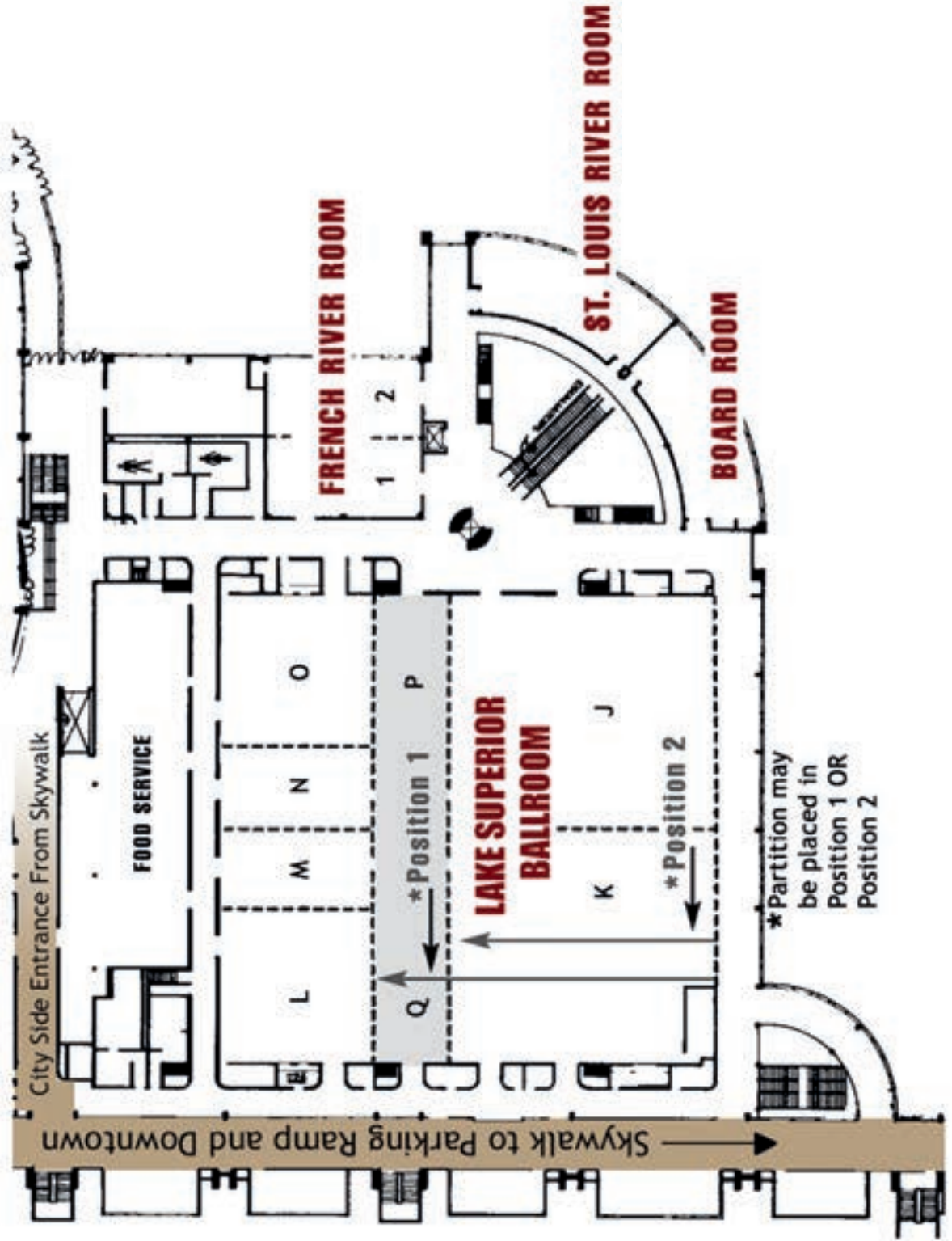
**Arrowhead EMS Association Conference & Expo Team  
would like to express our sincerest appreciation to:**

our Volunteers, our Medical Director, Dr. Gary Foley,  
and our Board of Directors:

President Sue Bengtson, Vice President Steve DuChien,  
Secretary Rob Devin, Treasurer Joe Newton, Dan Diamon,  
James Ducharme, Geoffrey Galaski, Lucas Goodin, Marlyn  
Halvorson, Erik Jankila, Eric Lohn, Nathan Myers, Stan  
Sadenwasser, Amy Saylor, Janice Schade, Pete Walsh







# THANK YOU

## TO OUR SPONSORS

### PLATINUM



### GOLD



### SILVER



### SUPPORTER





NETWORK NAME:

**AEMSA**

PASSWORD:

**arrowhead**

1

connect your personal digital device to the "AEMSA" Wi-Fi network

2

When prompted, enter the password "arrowhead"

*Please note: Password is case sensitive.*

WI-FI INSTRUCTIONS

FOR OUR COMMUNITY

*Help preemies like James & Cole*



# Life Link III Blood Drive

Arrowhead EMS Conference



Friday, January 24th  
10:00AM - 3:30PM

Saturday, January 25th  
10:00AM - 3:30PM

Blood Drive in Edmund Fitzgerald Hall



Contact Lexy to Sign Up!  
(218) 740-1542  
[Lexy.Land@innovativeblood.org](mailto:Lexy.Land@innovativeblood.org)



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# EMERGENCY CARE LIKE NOWHERE ELSE



**Essentia Health**

Join our team: [EssentiaCareers.org](http://EssentiaCareers.org)

Essentia Health-St. Mary's Medical Center is proud to serve as the Northland's only Adult Level I Trauma Center and Level II Pediatric Trauma Center.



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OUR MEMBER OWNERS





# AGENDA

## AT A GLANCE

### WEDNESDAY

### THURSDAY

**January 22, 2020**  
*Pre-Conference*

**January 23, 2020**  
*Pre-Conference*

#### 12 Lead EKG

8:00 am – 12:00 pm

#### Critical Care Certification (CCP-C) Review (Day 1 of 2)

8:00 am–5:00 pm

#### EMT Refresher

(Day 1 of 2)

8:00 am–5:00 pm

#### Workplace Violence: Organizational Crisis Response, a Toolkit for Survival, and Post Traumatic Recovery

8:00 am–5:00 pm

#### Pediatric Education for Pre-Hospital Professional

8:00 am–5:00 pm

#### Special Populations Simulation Training: Beat The Reaper SIM Challenge

1:00 pm – 5:00 pm

#### Pediatric Medical and Trauma Simulation Training

8:00 am – 12:00 pm

#### Critical Care Certification (CCP-C) Review (Day 2 of 2)

8:00 am–5:00 pm

#### EMT Refresher

(Day 2 of 2)

8:00 am–5:00 pm

#### Communications GPS: Avoiding One Way Conversations

8:00 am–5:00 pm

#### Railroad Emergency Response and Hazardous Materials Awareness Training

8:00 am–12:00 pm | Session 1

1:00 pm–5:00 pm | Session 2

#### Adult Medical & Trauma SIM Training: Beat the Reaper SIM Challenge

1:00 pm – 5:00 pm

#### Rural Service Training Officer Toolkit

1:00 pm – 5:00 pm

#### Special Populations SIM Training: Beat the Reaper SIM Challenge

5:30 pm – 9:30 pm





## FRIDAY

January 24, 2020

### Welcome and Keynote

Dining Hall  
8:00 am – 9:45 am

### Blood Drive

Edmund Fitzgerald Hall  
10:00 am – 3:30 pm

### Breakout Session 1

10:30 am – 11:45 am

### Lunch

11:45 am – 12:45 pm

### Breakout Session 2

12:45 pm – 2:00 pm

### Breakout Session 3

2:45 pm – 4:00 pm

### Legislative Forum

Gooseberry Falls Room  
4:15 pm – 5:15 pm

### Expo

South Pioneer Hall  
7:00 am – 3:00 pm

## SATURDAY

January 25, 2020

### Welcome and Keynote

Dining Hall  
8:00 am – 9:45 am

### Blood Drive

Edmund Fitzgerald Hall  
10:00 am – 3:30 pm

### Breakout Session 4

10:15 am – 11:30 am

### Lunch

11:30 am – 12:15 pm

### Breakout Session 5

12:15 pm – 1:30 pm

### Breakout Session 6

2:00 pm – 3:00 pm

### Keynote

Dining Hall  
3:15 pm – 4:15 pm

### Expo

South Pioneer Hall  
7:00 am – 3:00 pm

## SUNDAY

January 26, 2020

### Breakout Session 7

8:00 am – 9:15 am

### Breakout Session 8

9:30 am – 10:45 am

### Breakout Session 9

11:00 am – 12:15 pm

### Hands on Approach to Trauma Care

*(Box lunch included)*  
8:00 am – 3:00 pm

## WEDNESDAY • JANUARY 22, 2020

7:00am - 8:00am		REGISTRATION				
		French River Room	Lake Superior Ballroom L,M	Lake Superior Ballroom N,O	St. Louis River Room	Gooseberry Falls Room
8:00am - 12:00pm		<b>Critical Care Certification (CCP-C®) Review (Day 1 of 2)</b>  <i>Rueben Farnsworth Life Link III Educators</i>	<b>12 Lead EKG</b>  <i>Brad Zinniel Marvin Sullivan Martin Sullivan</i>	<b>EMT Refresher (Day 1 of 2)</b>  <i>Lucas Goodin</i>	<b>Workplace Violence: Organizational Crisis Response, a Toolkit for Survival, and Post Traumatic Recovery</b>  <i>Mike Marturano William Maloney Michael Scott</i>	<b>Pediatric Education for Prehospital Professionals</b>  <i>Mark Griffith Mike Oeffler Sheila Denton Neal Stocker Zach Rinehart</i>
12:00pm - 1:00pm		LUNCH				
1:00pm - 5:00pm		<b>Critical Care Certification (CCP-C®) Review (Continued)</b>  <i>Rueben Farnsworth Life Link III Educators</i>	<b>Special Populations Simulation Training: Beat the Reaper SIM Challenge</b>  <i>Brad Zinniel Marvin Sullivan Martin Sullivan</i>	<b>EMT Refresher (Continued)</b>  <i>Lucas Goodin</i>	<b>Workplace Violence: Organizational Crisis Response, a Toolkit for Survival, and Post Traumatic Recovery (Continued)</b>  <i>Mike Marturano William Maloney Michael Scott</i>	<b>Pediatric Education for Prehospital Professionals (Continued)</b>  <i>Mark Griffith Mike Oeffler Sheila Denton Neal Stocker Zach Rinehart</i>
Time Varies by Session		SESSIONS END				

## THURSDAY • JANUARY 23, 2020

7:00am - 8:00am		REGISTRATION					
		French River Room	Lake Superior Ballroom L,M	Lake Superior Ballroom N,O	St. Louis River Room	Gooseberry Falls Room	Edmund Fitzgerald Hall
8:00am - 12:00pm		<b>Critical Care Certification (CCP-C®) Review (Day 2 of 2)</b>  <i>Rueben Farnsworth Life Link III Educators</i>	<b>Pediatric Medical and Trauma Simulation Training: Beat the Reaper</b>  <i>Brad Zinniel Marvin Sullivan Martin Sullivan</i>	<b>EMT Refresher (Day 2 of 2)</b>  <i>Lucas Goodin</i>		<b>Communications GPS: Avoiding One Way Conversations</b>  <i>Mark Griffith Mike Oeffler Sheila Denton Neal Stocker Zach Rinehart</i>	<b>Railroad Emergency Response and Hazardous Materials Awareness Training (Session 1)</b>  <i>Ken Collins Ed Dankbar Joe Eichton</i>
12:00pm - 1:00pm		LUNCH					
1:00pm - 5:00pm		<b>Critical Care Certification (CCP-C®) Review (Continued)</b>  <i>Rueben Farnsworth Life Link III Educators</i>	<b>Adult Medical and Trauma Simulation Training: Beat the Reaper</b>  <i>Brad Zinniel Marvin Sullivan Martin Sullivan</i>	<b>EMT Refresher (Continued)</b>  <i>Lucas Goodin</i>	<b>Rural Service Training Officer Toolkit</b>  <i>Caitlin Korpi Geoff Galaski Matt Ashmore</i>	<b>Communications GPS: Avoiding One Way Conversations (Continued)</b>  <i>Mark Griffith Mike Oeffler Sheila Denton Neal Stocker Zach Rinehart</i>	<b>Railroad Emergency Response and Hazardous Materials Awareness Training (Session 2)</b>  <i>Ken Collins Ed Dankbar Joe Eichton</i>
5:30pm - 9:30pm			<b>Special Populations Simulation Training: Beat the Reaper SIM Challenge</b>  <i>Brad Zinniel Marvin Sullivan Martin Sullivan</i>				
Time Varies by Session		SESSIONS END					



# FRIDAY • JANUARY 24, 2020

7:00am - 8:00am	REGISTRATION AND LIGHT REFRESHMENT OPTIONS				
8:00am - 8:15am	CONFERENCE WELCOME Adam Shadlow, Executive Director, Arrowhead EMS Association				
8:15am - 9:45am	KEYNOTE: Taking Care of Our Own Kimberly Lightley, Risk Management Program Specialist, US Forest Service Patricia Watson, Psychologist, National Center for PTSD				
9:45am - 10:30am	BREAK (Refreshments and Exhibits in South Pioneer Hall)				
	French River Room	Lake Superior Ballroom L,M	Lake Superior Ballroom N,O	St. Louis River Room	Gooseberry Falls Room
10:30am - 11:45am	Bedrooms, Bathtubs and Broomsticks: Things They Didn't Warn Me About in School <i>Rueben Farnsworth</i>	Taking Care of Our Own Breakout Session <i>Patricia Watson Kimberly Lightley</i>	Understanding Concussion / Mild Traumatic Brain Injury <i>Nova McNally</i>	You Can't Spell STEMI Without EMS <i>Richard Mullvain</i>	Identify, Isolate, and Inform Process for a Patient with a High Consequence Infectious Disease <i>Mary Ellen Bennet Tammy Hale</i>
11:45am - 12:45pm	LUNCH				
12:45pm - 2:00pm	How Do I Get To Bowman's Capsule <i>Rueben Farnsworth</i>	They're Covered in What?! <i>Shawn Brown</i>	Ask a Toxicologist <i>Travis Olives Justin Corcoran</i>	Safety is the Treatment <i>Mitch Radin David Hottinger</i>	Can't We All Get Along <i>Tom Taylor, Jr</i>
2:00pm - 2:45pm	BREAK (REFRESHMENTS AND EXHIBITS IN SOUTH PIONEER HALL)				
2:45pm - 4:00pm	Future Trends in EMS <i>Michael Wilcox</i>	26 April 2018 Emergency Response to the Husky Refinery Fire <i>Jerome Quimby</i>	Name That Toxidrome! <i>Travis Olives</i>	Drive to Survive <i>Allison Nicolson Sarah Buhs Jason Hanson Victor Lund</i>	Leadership, EMS Culture and its Impact on the Provider <i>Aaron Reinert</i>
4:00pm	SESSIONS END				
4:15pm - 5:15pm	Legislative Forum in Gooseberry Falls Room				

FRIDAY

## SATURDAY • JANUARY 25, 2020

7:00am - 8:00am	REGISTRATION AND LIGHT REFRESHMENT OPTIONS				
8:00am - 8:15am	<b>OPENING REMARKS</b> Adam Shadiow, Executive Director, Arrowhead EMS Association				
8:15am - 9:45am	<b>KEYNOTE: The Critical Role of EMS in our Nation's Resilience</b> Daniel Kaniewski, Deputy Administrator of the Federal Emergency Management Agency				
9:45am - 10:15am	BREAK (Refreshments and Exhibits in South Pioneer Hall)				
	<b>French River Room</b>	<b>Lake Superior Ballroom L,M</b>	<b>Lake Superior Ballroom N,O</b>	<b>St. Louis River Room</b>	<b>Gooseberry Falls Room</b>
10:15am - 11:30am	<b>Pediatric Burn Injuries</b> <i>William Mohr</i>	<b>Death and Injury by Things on the Farm</b> <i>John Hansen</i>	<b>Surviving the Perfect Storm</b> <i>Jason Dush</i>	<b>In the Hot Zone: Working when explosion is imminent</b> <i>Anders Hultstrom</i>	To Be Announced
11:30am - 12:15pm	LUNCH				
12:15pm - 1:30pm	<b>The PAIN of Overdose</b> <i>Kirk Hughes</i>	<b>Recreational Trauma, ATV Accidents</b> <i>John Hansen</i>	<b>BLS Understanding of the Triangle of Death: Hypothermia, Acidosis and Coagulopathy</b> <i>Jason Dush</i>	<b>Just Because I Can Does Not Mean I Should</b> <i>Emily Price</i>	<b>What Do You Mean? Your Clinic Doesn't Have a Crash Cart?</b> <i>Sam Reid</i>
1:30pm - 2:00pm	BREAK (REFRESHMENTS AND EXHIBITS IN SOUTH PIONEER HALL)				
2:00pm - 3:00pm	<b>The Toxicology of Shiny, Glowy, Slimy, Bangy and Fizzy Products</b> <i>Kirk Hughes</i>	<b>Harm on the Farm</b> <i>John Hansen</i>	<b>K9 Medicine for EMS</b> <i>Jason Dush</i>	<b>Don't Forget What Happened</b> <i>Tom Taylor, Jr</i>	<b>Pain Pain Go Away!</b> <i>Scott Schwantes</i>
3:00pm - 3:15pm	BREAK (SESSION TRANSITION AND BATHROOM BREAK)				
3:15pm - 4:15pm	KEYNOTE: TO BE ANNOUNCED				
4:15pm	SESSIONS END				



# SUNDAY • JANUARY 26, 2020

7:00am - 8:00am					
REGISTRATION					
	French River Room	Lake Superior Ballroom L,M	Lake Superior Ballroom N,O	St. Louis River Room	Gooseberry Falls Room
8:00am - 9:15am	<b>Anatomy of a Heart Attack</b> <i>Jeff Schultz</i>	<b>Shoot it, Snort it, Smoke it....Drugs that Impair</b> <i>Adam Wojciehowski</i>	<b>Hands on Approach to Trauma Care (Limited to 45 Participants)</b> <i>Lucas Goodin Jason Dush</i>	<b>Manage Your Mind: Mindfulness Practices</b> <i>Holly Brodt</i>	<b>Interactive Case Studies: Altered Mental Status</b> <i>Ryan Mayfield</i>
9:15am - 9:30am					
BREAK					
9:30am - 10:45am	<b>To Backboard or Not Backboard</b> <i>Jeff Schultz</i>	<b>Excited Delirium</b> <i>Adam Wojciehowski</i>	<b>Hands on Approach to Trauma Care (continued)</b> <i>Lucas Goodin Jason Dush</i>	<b>Autism and Emergency Response</b> <i>Eric Ringgenberg</i>	<b>Shining Light on Feeling Right</b> <i>Ryan Mayfield</i>
10:45am - 11:00am					
BREAK					
11:00am - 12:15pm	<b>Ohh, Crap! Now What?!!?</b> <i>Nicci Trierweiler Brad Zinniel Marvin Sullivan Martin Sullivan</i>	<b>Mass Evacuations and How EMS and Public Health are Directly Affected During Disasters</b> <i>Adam Wojciehowski</i>	<b>Hands on Approach to Trauma Care (continues to 3:00pm)</b> <i>Lucas Goodin Jason Dush</i>	<b>Pediatric Trauma Case Studies</b> <i>Johanna Thompson Laura Lentz Caroline Aulie</i>	<b>Interactive Case Studies: Real Patients in Unusual Situations</b> <i>Ryan Mayfield</i>
3:00pm					
ALL SESSIONS END					

SUNDAY

# WEDNESDAY

## JANUARY 22

### REGISTRATION

7:00 am – 8:00 am

Registration Area

### PRE-CONFERENCE SESSIONS

8:00 am – 12:00 pm

### EMT Refresher (Day 1 of 2)

Lake Superior Ballroom N,O

**Description:** This course is designed to meet the National Continued Competency Requirements (NCCR) that meets the current MN and NREMT requirements to maintain your EMT license. During this refresher you will be provided with interactive discussions as well as hands on applications of your skills in live scenarios including moulaged victims.

You will still be required to get your additional 20 hours of you State/Local and Individual hours. This course does not cover any of these additional hours.

**Objectives:**

The national competency component requires all EMTs to obtain 20 hours of continuing education. The topic areas for the national component is published by the NREMT every four years. The most recent revision of the National Component was published in October 2016.

Airway/Respiration/Ventilation: 1.5 Hours

Ventilation [1 Hours]

Oxygenation [0.5 Hour]

Cardiovascular: 6 Hours

Post-Resuscitation Care [0.5 Hour]

Ventricular Assist Devices [0.5 Hour]

Stroke [1 Hour]

Cardiac Arrest [2 Hours]

Pediatric Cardiac Arrest [2 Hours]

Trauma: 1.5 Hours

Trauma Triage [0.5 Hour]

Central Nervous System (CNS) Injury [0.5 Hour]

Hemorrhage Control [0.5 Hour]

Medical: 6 Hours

Special Healthcare Needs [1.5 Hours]

OB Emergencies [0.5 Hour]

Infectious Diseases [0.5 Hour]

Pain Management [0.5 Hour]

Psychiatric and Behavioral Emergencies [0.5 Hour]

Toxicological Emergencies; Opioids [0.5 Hour]

Neurological Emergencies; Seizures [0.5 Hour]

Endocrine Emergencies; Diabetes [1 Hour]







Immunological Emergencies [0.5 Hour]  
 Operations: 5 Hours  
 At-Risk Populations [0.5 Hour]  
 Ambulance Safety [0.5 Hour]  
 Field Triage&mdash; Disasters/MCIs [0.5 Hour]  
 EMS Provider Hygiene, Safety, and Vaccinations [0.5 Hour]  
 EMS Culture of Safety [0.5 Hour]  
 Pediatric Transport [0.5 Hour]  
 Crew Resource Management [1 Hour]  
 EMS Research [0.5 Hour]  
 Evidence Based Guidelines [0.5 Hour]

**Speaker:** Lucas Goodin

## Critical Care Certification (CCP-C) Review (Day 1 of 2)

French River Room

**Description:** 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. We will dive into lab values, airway, cardiology, ventilators and advanced assessment. Come prepared to think and improve your critical care medicine

### Objectives:

- The student will review concepts associated with lab value interpretation.
- The student will review concepts associated with advanced airway management and RSI
- The student will review concepts associated with advanced cardiology.
- The student will review concepts associated with advanced assessments.

**Speaker:** Reuben Farnsworth  
 Life Link III Educators

## 12 Lead EKG

Lake Superior Ballroom L,M

**Description:** Does your service do 12 Lead EKG's? Do you find yourself playing in the same sandbox as ALS providers and treating cardiac patient's with them? Do you feel overwhelmed or looking to improve your skills and knowledge? If so, come and join us for this fun and interactive session. This session will provide information about 12 Lead EKG's. We will discuss

what it is, and why it is important to acquire a 12 Lead as soon as possible. We will also discuss some tips, and pitfalls of doing 12 Lead EKG's.

### Objectives:

Upon completion of this course, students should be able to:

- Demonstrate competence in effectively performing a 12 Lead EKG.
- Demonstrate increased confidence in recognizing which patient's should receive a 12 Lead EKG.
- Demonstrate increased confidence with performing lead placement with male/female patients.
- Demonstrate increased awareness of the patient's experience of having a 12 Lead EKG performed.
- Demonstrate increased confidence with scene management.

**Speakers:** Martin Sullivan  
 Marvin Sullivan  
 Brad Zinniel

## Pediatric Education for Prehospital Professionals

Gooseberry Falls Room

**Description:** PEPP represents a complete source of prehospital medical information for the emergency care of infants and children. Developed by the American Academy of Pediatrics, PEPP is an exciting curriculum designed to teach prehospital professionals how to better assess and manage ill or injured children. PEPP is a comprehensive, innovative, and highly visual course featuring case-based lectures, live-action video, hands-on skills stations, and small group scenarios.

### Objectives:

- Comfortably determine whether a child is "sick" or "not sick" utilizing the Pediatric Assessment Triangle (PAT).
- Demonstrate increased confidence and competence in addressing pediatric emergencies
- Demonstrate an increased level of confidence in addressing emergencies involving childbirth

**Speakers:** Sheila Denton  
 Mark Griffith  
 Mike Oeffler  
 Zach Rinehart  
 Neal Stocker



## Workplace Violence: Organizational Crisis Response, a Toolkit for Survival, and Post Traumatic Recovery

St. Louis River Room

**Description:** This presentation will describe ways to prepare for and recover from violence in the workplace including Active Shooter, Bomb Threats, and other situations. Topics include Active Shooter-Run-Hide-Fight, Bomb Threats; verbal de-escalation, and how to prepare for and deal with the psychological impacts that workplace violence causes.

### Objectives:

- Understand the concepts of Run-Hide-Fight, response to, and what your capabilities are in an active shooter situation.
- Understand the preparation for and recovery from bomb/bomb threat situations.
- Describe types, components, factors of threats, and threat assessments from a four-pronged assessment model

**Speakers:** William Maloney  
Mike Marturano  
Michael Scott

## LUNCH

12:00 pm – 1:00 pm

## PRE-CONFERENCE SESSIONS

1:00 pm – 5:00 pm

## EMT Refresher (Continued)

Lake Superior Ballroom N,O

**Description:** This course is designed to meet the National Continued Competency Requirements (NCCR) that meets the current MN and NREMT requirements to maintain your EMT license. During this refresher you will be provided with interactive discussions as well as hands on applications of your skills in live scenarios including moulaged victims.

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**Speaker:** Lucas Goodin

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- The student will review concepts associated with advanced assessments.

**Speaker:** Reuben Farnsworth  
Life Link III Educators

## Pediatric Education for Prehospital Professionals (Continued)

Gooseberry Falls Room

**Description:** PEPP represents a complete source of prehospital medical information for the emergency care of infants and children. Developed by the American Academy of Pediatrics, PEPP is an exciting curriculum designed to teach prehospital professionals how to better assess and manage ill or injured children. PEPP is a comprehensive, innovative, and highly visual course featuring case-based lectures, live-action video, hands-on skills stations, and small group scenarios.

### Objectives:

- Comfortably determine whether a child is "sick" or "not sick" utilizing the Pediatric Assessment Triangle (PAT).

- Demonstrate increased confidence and competence in addressing pediatric emergencies
- Demonstrate an increased level of confidence in addressing emergencies involving childbirth

**Speakers:** Sheila Denton  
Mark Griffith  
Mike Oeffler  
Zach Rinehart  
Neal Stocker

## Workplace Violence: Organizational Crisis Response, a Toolkit for Survival, and Post Traumatic Recovery (Continued)

St. Louis River Room

**Description:** This presentation will describe ways to prepare for and recover from violence in the workplace including Active Shooter, Bomb Threats, and other situations. Topics include Active Shooter-Run-Hide-Fight, Bomb Threats; verbal de-escalation, and how to prepare for and deal with the psychological impacts that workplace violence causes.

### Objectives:

- Understand the concepts of Run-Hide-Fight, response to, and what your capabilities are in an active shooter situation.
- Understand the preparation for and recovery from bomb/bomb threat situations.
- Describe types, components, factors of threats, and threat assessments from a four-pronged assessment model

**Speakers:** William Maloney  
Mike Marturano  
Michael Scott

## Special Populations Simulation Training: Beat The Reaper SIM Challenge

Lake Superior Ballroom L,M

**Description:** Are you up for a challenge? If you are a new provider, take the challenge and see how sharp your skills are, or if you are a seasoned provider looking for something that is challenging and different, this session is for you too. This session will challenge you with Geriatrics, Autistic, Bariatrics, and Behavioral (GABB) emergencies. This course will feature lectures, case based scenarios, and hands on skills.

### Objectives:

- Demonstrate competence in effectively assessing geriatric, autistic, bariatric, and behavioral (GABB) patients.
- Demonstrate increased confidence in recognizing and treating GABB emergencies.
- Demonstrate increased confidence with communicating with patients.
- Demonstrate increased awareness of safely moving and transporting patients.
- Demonstrate increased confidence with scene management.

**Speakers:** Marvin Sullivan  
Martin Sullivan  
Brad Zinniel

## PRE-CONFERENCE SESSIONS END

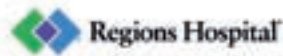
5:00 pm (Time Varies by Session)





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# THURSDAY

## JANUARY 23

### REGISTRATION

7:00 am – 8:00 am

Registration Area

### PRE-CONFERENCE SESSIONS

8:00 am – 12:00 pm

#### EMT Refresher (Day 2 of 2)

Lake Superior Ballroom N,O

**Description:** This course is designed to meet the National Continued Competency Requirements (NCCR) that meets the current MN and NREMT requirements to maintain your EMT license. During this refresher you will be provided with interactive discussions as well as hands on applications of your skills in live scenarios including moulaged victims.

You will still be required to get your additional 20 hours of you State/Local and Individual hours. This course does not cover any of these additional hours.

**Objectives:**

The national competency component requires all EMTs to obtain 20 hours of continuing education. The topic areas for the national component is published by the NREMT every four years. The most recent revision of the National Component was published in October 2016.

**Speaker:** Lucas Goodin

#### Critical Care Certification (CCP-C) Review (Day 2 of 2)

French River Room

**Description:** 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. We will dive into lab values, airway, cardiology, ventilators and advanced assessment. Come prepared to think and improve your critical care medicine.

**Objectives:**

- The student will review concepts associated with lab value interpretation.
- The student will review concepts associated with advanced airway management and RSI







- The student will review concepts associated with advanced cardiology.
- The student will review concepts associated with advanced assessments.

**Speaker:** Reuben Farnsworth  
Life Link III Educators

## Pediatric Medical + Trauma Simulation Training: Beat the Reaper SIM Challenge

Lake Superior Ballroom L,M

**Description:** Are you up for a challenge? If you are a new provider, take the challenge and see how sharp your skills are, or if you are a seasoned provider looking for something that is challenging and different, this session is for you too. This session will challenge you with trauma and medical emergencies. This course will feature lectures, case based scenarios, and hands on skills.

### Objectives:

- Demonstrate competence in effectively performing a pediatric patient assessment.
- Demonstrate increased confidence in recognizing and treating pediatric emergencies.
- Demonstrate increased confidence with communicating with pediatric patients.
- Demonstrate increased awareness of safely moving and transporting pediatric patients.
- Demonstrate increased confidence with scene management.

**Speaker:** Marvin Sullivan  
Martin Sullivan  
Brad Zinnel

## Communications GPS: Avoiding One Way Conversations

Gooseberry Falls Room

**Description:** We all hate one-way streets. Sure, they might help traffic flow, what happens when you try driving in the wrong direction? Communication with those around you works the same way, and during this course, we'll look (and you'll demonstrate) how various modern tools (software, social media, and smart phones) can turn that one-way street into a low (or even no) cost freeway of information and engagement.

This 8-hour course will guide the student through the technologies available to them, and how to bring those technologies to bear on problems ranging from ambulance fundraising to how to get more ZZZZZZs, and everything in between. Upon completion of this course, the student will have created a personalized presentation to take back and share with their home services.

### Objectives:

- Utilize technology to facilitate improved communication both within and outside their agency
- Create presentations using multiple platforms for an engaging and entertaining experience for their audience
- Demonstrate an improved understanding of the importance of feedback

**Speaker:** Sheila Denton  
Mark Griffith  
Mike Oeffler  
Zach Rinehart  
Neal Stocker

## Railroad Emergency Response and Hazardous Materials Awareness Training (Session 1)

Edmund Fitzgerald Hall

**Description:** As members of Transportation Community Awareness and Emergency Response (TransCAER®), railroad HAZMAT experts provide railroad hazardous materials familiarization course for community emergency responders. This four-hour interactive course uses a combination of classroom and hands-on modules.

### Objectives:

- Identify safety considerations while working around a railroad
- Identify types of hazardous materials transported
- Identify types of railroad cars and locomotive safety considerations.
- Learn about locomotives and the extrication of a non-ambulatory extraction techniques .
- Learn how to secure the loco for safety.

**Speaker:** Ken Collins  
Ed Dankbar  
Joe Eichton



## LUNCH

12:00 pm – 1:00 pm

## PRE-CONFERENCE SESSIONS

1:00 pm – 5:00 pm

### EMT Refresher (Continued)

Lake Superior Ballroom N,O

**Description:** This course is designed to meet the National Continued Competency Requirements (NCCR) that meets the current MN and NREMT requirements to maintain your EMT license. During this refresher you will be provided with interactive discussions as well as hands on applications of your skills in live scenarios including moulaged victims. You will still be required to get your additional 20 hours of you State/Local and Individual hours. This course does not cover any of these additional hours.

#### Objectives:

The national competency component requires all EMTs to obtain 20 hours of continuing education. The topic areas for the national component is published by the NREMT every four years. The most recent revision of the National Component was published in October 2016.

**Speaker:** Lucas Goodin

### Critical Care Certification (CCP-C) Review (Continued)

French River Room

**Description:** 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. We will dive into lab values, airway, cardiology, ventilators and advanced assessment. Come prepared to think and improve your critical care medicine.

#### Objectives:

- The student will review concepts associated with lab value interpretation.
- The student will review concepts associated with advanced airway management and RSI
- The student will review concepts associated with advanced cardiology.
- The student will review concepts associated with advanced assessments.

**Speaker:** Reuben Farnsworth  
Life Link III Educators

### Communications GPS: Avoiding One Way Conversations (Continued)

Gooseberry Falls Room

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#### Objectives:

- Utilize technology to facilitate improved communication both within and outside their agency
- Create presentations using multiple platforms for an engaging and entertaining experience for their audience
- Demonstrate an improved understanding of the importance of feedback

**Speaker:** Sheila Denton  
Mark Griffith  
Mike Oeffler  
Zach Rinehart  
Neal Stocker

### Rural Service Training Officer Toolkit

St. Louis River Room

**Description:** You're the new EMS training officer for your agency. Now what? This presentation will highlight the various requirements EMS training officer's need to follow in accordance with EMSRB, NREMT and OSHA. We will present how to conduct scenario-based trainings along with NREMT/EMSRB training data entry. We will also cover the importance of QA/QI program



and new hire / FTO programs. Students will receive a USB flash drive with course materials and resources.

**Objectives:**

- EMSRB and NREMT requirements for training.
- NIMS & OSHA training requirements.
- Standard job descriptions of an EMS Training Officer.
- What resources are available through AEMSA and community partners.
- Understand the role of QA/QI program.
- How to implement a Field Training program.
- New hire requirements.
- Pmplementation of scenario-based training.

**Speakers:** Caitlin Korpi  
Geoffrey Galaski  
Matt Ashmore

## Railroad Emergency Response and Hazardous Materials Awareness Training (Session 2)

Edmund Fitzgerald Hall

**Description:** As members of Transportation Community Awareness and Emergency Response (TransCAER&reg;), railroad HAZMAT experts provide railroad hazardous materials familiarization course for community emergency responders. This four-hour interactive course uses a combination of classroom and hands-on modules.

**Objectives:**

- Identify safety considerations while working around a railroad
- Identify types of hazardous materials transported
- Identify types of railroad cars and locomotive safety considerations.
- Learn about locomotives and the extrication of a non-ambulatory extraction techniques .
- Learn how to secure the loco for safety.

**Speaker:** Ken Collins  
Ed Dankbar  
Joe Eichton

## Adult Medical & Trauma SIM Training: Beat the Reaper SIM Challenge

Lake Superior Ballroom L,M

**Description:** Are you up for a challenge? If you are a new provider, take the challenge and see how sharp your skills are, or if you are a seasoned provider looking for something that is challenging and different, this session is for you too. This session will challenge you with trauma and medical emergencies. This course will feature lectures, case based scenarios, and hands on skills.

**Objectives:**

Upon completion of this course, students should be able to:

- Demonstrate competence in effectively performing an adult patient assessment
- Demonstrate increased confidence in recognizing and treating adult emergencies.
- Demonstrate increased confidence with communicating with patients.
- Demonstrate increased awareness of safely moving and transporting patients.
- Demonstrate increased confidence with scene management.

**Speakers:** Marvin Sullivan  
Martin Sullivan  
Brad Zinniel

**PRE-CONFERENCE SESSION**  
5:30 pm – 9:30 pm

## Special Populations SIM Training: Beat the Reaper SIM Challenge

Lake Superior Ballroom L,M

**Description:** Are you up for a challenge? If you are a new provider, take the challenge and see how sharp your skills are, or if you are a seasoned provider



looking for something that is challenging and different, this session is for you too. This session will challenge you with Geriatrics, Autistic, Bariatrics, and Behavioral (GABB) emergencies. This course will feature lectures, case based scenarios, and hands on skills.

**Objectives:**

Upon completion of this course, students should be able to:

- Demonstrate competence in effectively assessing geriatric, autistic, bariatric, and behavioral (GABB) patients.
- Demonstrate increased confidence in recognizing and treating GABB emergencies.

- Demonstrate increased confidence with communicating with patients.
- Demonstrate increased awareness of safely moving and transporting patients.
- Demonstrate increased confidence with scene management.

**Speakers:** Marvin Sullivan  
Martin Sullivan  
Brad Zinniel

**PRE-CONFERENCE SESSIONS END**

**9:30 pm (Time Varies by Session)**

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# FRIDAY

## JANUARY 24

### REGISTRATION

7:00 am – 8:00 am

Registration Area

### LIGHT REFRESHMENT OPTIONS

7:00 am – 8:00 am

South Pioneer Hall

### CONFERENCE WELCOME

8:00 am – 8:15 am

Adam Shadiow, Executive Director,  
Arrowhead EMS Association

Lake Superior Ballroom - Main Dining Hall

### Keynote: Taking Care of Our Own

8:15 am – 9:45 am

Lake Superior Ballroom - Main Dining Hall

**Description:** Kimberly Lightley is a surviving crewmember of the US Forest Service, Prineville Interagency Hotshot Crew, from the South Canyon Fire on Storm King Mountain, which claimed the lives of fourteen wildland firefighters in Glenwood Springs, Colorado on July 6th, 1994. Because of her experience, she has dedicated her career to advocacy for firefighter safety and behavioral health. This keynote will feature the journey Kimberly has taken to develop programs and deliver trainings related to mechanisms of coping and mental health well-being in preparation and mitigation of the stress associated with the firefighting occupation. She will be joined by Patricia Watson, a psychologist who will discuss her journey over the last 20 years of developing post-disaster early intervention and peer support programs for first responders. Their keynote will introduce an evidence-based self-care and peer support framework called Stress First Aid (SFA), which is designed to be attentive to multiple sources of stress, practical, flexible, and tailored to the specific styles and needs of those involved.

#### Objectives:

- Identify common stress reactions and risk factors in first responders/emergency services personnel
- Learn strategies for engaging peers in SFA peer support
- Learn the core components of evidence-based peer support interventions for first responders
- Understand the importance of self-care when





working as a public safety officer, and gain techniques for caring for yourself and coworkers

**Speakers:** Kim Lightley  
Patricia Watson

## BREAK

9:45 am – 10:30 am

## BREAKOUT SESSION 1

10:30 am – 11:45 am

### Bedrooms, Bathtubs and Broomsticks: Things They Didn't Warn Me About in School

French River Room

**Description:** The Field... The very term invokes visions of a mythical realm where student sojourn after school. Paramedic school prepares you for many things, but it seems they may have left out a few as well. We will talk about all the things you never knew you would do, from reattaching colostomy bags, to the 400 lb pt. wedged between the toilet and the bathtub in a single wide trailer. This humorous and informative presentation delves into the topics they don't cover in school. The good news is&hellip; You're still in EMS and you wouldn't want it any other way. It's not a job, it's an adventure.

#### Objectives:

- The student will identify some of the challenges that occur in EMS that we haven't been trained for.
- The student will explain how these challenges make us better providers.
- The student will be revitalized and state that we can laugh about some of the things we encounter.

**Speaker:** Reuben Farnsworth

### Taking Care of Our Own Breakout Session

Lake Superior Ballroom L,M

**Description:** More detail and time for discussion regarding common stress reactions and risk factors in first responders/emergency services personnel, as well as the seven components of stress first aid, with concrete examples of self-care and peer support actions.

#### Objectives:

- Identify common stress reactions and risk factors in first responders/emergency services personnel.
- Learn strategies for engaging peers in SFA peer support.
- Learn the core components of evidence-based peer support interventions for first responders.
- Understand the importance of self-care when working as a public safety officer, and gain techniques for caring for yourself and coworkers.

**Speakers:** Kim Lightley  
Patricia Watson

### Understanding Concussion / Mild Traumatic Brain Injury

Lake Superior Ballroom N,O

**Description:** The patient who sustains a mild head injury, and is otherwise medically stable and unwilling to be transported for further assessment, can potentially be faced with chronic and debilitating symptoms. The first responder is often the only healthcare provider the patient will interact with until the symptoms become unmanageable. Educating the patient and their family at first contact could make the difference between missing a few days of work or losing their job, between missing a few classes or failing out of school.

#### Objectives:

- Differentiate levels of TBI (GCS scores)Recognize signs and symptoms of mild TBI (or concussion)
- Be able to educate patient/family members on the effects of a mild TBI or post concussive syndrome, understand HEADS up policies and laws, and return to play regulations.

**Speaker:** Nova McNally

### You Can't Spell STEMI Without EMS

St. Louis River Room

**Description:** STEMI heart attacks remain one of the most time critical challenges that EMS is faced with. While care has gotten better, there are still plenty of opportunities for improvement. Whether you are a rookie or a savvy veteran, there is always something more to learn about optimizing care. Richard has



been a STEMI leader and published researcher on the subject for many years, and provides both an enlightening and entertaining presentation that will educate and motivate you to provide better heart attack care with confidence!

**Objectives:**

- Learn and understand the protocols, guidelines and local research related to STEMI heart attack care.
- Challenge yourself to comprehend 12-Lead ECG concepts for STEMI identification.
- Review actual STEMI cases from our region and consider lessons to take back to your practice.

**Speaker:** Richard Mullvain

## Identify, Isolate, and Inform Process for a Patient with a High Consequence Infectious Disease

Gooseberry Falls Room

**Description:** This presentation will focus on new MN Department of Health tools that will help EMS prepare for High Consequence Infectious Diseases (HCID) and other serious infectious agents. It will introduce the EMS HCID Screening Tool, the EMS HCID Toolbox, and the EMS Infection Control Assessment.

**Objectives:**

- The learner will be able to list 3 critical infection control elements for EMS.
- The learner will be able to describe the new patient screening process that can be used by EMS to identify a HCID or other serious infectious diseases.
- The learner will be able to navigate and use the new MDH EMS HCID Toolbox.

**Speakers:** Mary Ellen Bennett  
Tammy Hale

## LUNCH

11:45 am – 12:45 pm

## BREAKOUT SESSION 2

12:45 pm – 2:00 pm

## How Do I Get To Bowman's Capsule

French River Room

**Description:** We all know what the kidneys do, but do we really know how they do it. This presentation dives into the inner workings of the renal system, including: filtration, osmotic gradients, solute gradients, renal anatomy and more. If you want a thorough understanding of how the renal system works within the shock response system and homeostasis, you need to be here.

**Objectives:**

- The student will list anatomy of the renal system.
- The student will list mechanisms of shock response relative to the renal system.
- The student will describe the filtration process of the renal system.

**Speaker:** Reuben Farnsworth

## They're Covered in What?!

Lake Superior Ballroom L,M

**Description:** From terrorist attacks to train derailments to drug deals gone wrong, EMS, Fire and Law Enforcement serve as a first point of contact in chemical exposures and attacks. This lecture will enable participants to perform early recognition of chemical toxidromes, identify appropriate personal protection, and begin life saving interventions

**Objectives:**

- Recognize specific toxidrome characteristics.
- Identify appropriate personal protective practices for specific scenarios.
- Discern methods of life-saving interventions based on chemical exposures.
- Identify local unique threat potentials for chemical exposures/attack

**Speaker:** Shawn Brown

## Ask a Toxicologist

Lake Superior Ballroom N,O

**Description:** Poisoned patient come in all shapes and sizes, and no one-size-fits-all plan of care covers all exposures. Nonetheless, prehospital providers must be prepared to care for the common and the uncommon, for life-threatening and



the less concerning poisonings. While discrete lectures on toxin classes are useful for “deep dives” into management, they may fail to address knowledge gaps that would be more specifically directed to presenters. Come to this session to ask toxicologists from the Minnesota Poison Control System your burning questions about the poisons that get you going. Why do we recommend phenylephrine and esmolol for the treatment of caffeine toxicity? Why are the ABCs the most critical component of care of the sick aspirin overdose? And why do my patients with big pupils respond to naloxone? Answers to these questions and more, guided by your interests.

**Objectives:**

- Listeners will guide discussion to address quandaries in the prehospital care of the poisoned patients.
- Speakers will clarify the rationale for directed treatments of specific toxidromes and toxic exposures that are rooted in toxicological principles often not apparent to bedside providers.
- Speakers and audience will discuss up-to-the-moment controversies in the prehospital management of the poisoned patient in an open, question-driven format.

**Speakers:** Justin Corcoran  
Travis Olives

## Safety is the Treatment

### St. Louis River Room

**Description:** Significant research, including the Adverse Childhood Experience studies, has demonstrated the far-reaching and long-lasting impact of trauma exposure on physical, psychological and spiritual health. In failing to recognize this impact, health care systems repeatedly place bandages on what are much-deeper wounds. At best, health systems treat symptoms of trauma at a superficial level; at worst, they further traumatize patients, families and staff with policies and protocols that fail to promote safety, trust, and long-term healing. Counteracting this trend are emerging best practices known as Trauma-Informed Care (TIC). These best practices call for organizational and clinical changes that have the potential to improve patient engagement, health outcomes, and staff wellness. The talk will

introduce the main principles of trauma-informed care with a special focus on how TIC principles and tools could help EMS personnel and organizations care for patients and promote staff resiliency.

**Objectives:**

- Summarize research on the effects of trauma on patients, health care systems, and staff.
- Introduce the main principles of Trauma Informed Care.
- Teach short and long-term strategies for coping with and healing from trauma exposure in the EMS context.

**Speakers:** David Hottinger  
Mitch Radin

## Can't We All Get Along

### Gooseberry Falls Room

**Description:** This session will explore the reasons there may be conflict between members of the EMS, Police and Fire services. What we can do to minimize that, and understanding the fundamental differences that lead to conflicts in the first place.

**Objectives:**

- Interpersonal Communications
- Conflict resolution

**Speaker:** Tom Taylor, Jr.

## BREAK

2:00 pm – 2:45 pm

## BREAKOUT SESSION 3

2:45 pm – 4:00 pm

## Future Trends in EMS

### French River Room

**Description:** As access to healthcare continues to be a problem for many individuals within our society, EMS will play a greater role in filling the gap. During this presentation, I will review several ways in which this greater role will occur. The focus will be upon Transformation 3.0 (ET3) initiatives and expansion of the Community Paramedicine Provider's role in patient care.

**Objectives:**

- A change in mindset from EMS as a public safety organization to one of a public healthcare organization.



- The role of Transformation 3.0 (ET3) in making this change.
- The role of Mobile Integrated Health-Community Paramedicine Providers in making this change.

**Speaker:** Michael Wilcox

## April 26, 2018: Emergency Response to the Husky Refinery Fire

Lake Superior Ballroom L,M

**Description:** Discuss the team and its functions. The overall response to the emergency of 4/26/18 explosion/fire and medical needs.

**Objectives:**

- Be a good student of your craft
- Trust your training

**Speaker:** Jerome Quimby

## Name That Toxidrome!

Lake Superior Ballroom N,O

**Description:** Large pupils that respond to naloxone, small pupils that don't. Methamphetamine that requires intubation for obtundation, and "pot" that makes users stumble about like zombies. Toxidromes - the clinical presentations of given overdoses - vary widely, and are changing dramatically. As semi-synthetic and synthetic drugs of abuse become ever more ubiquitous in our communities, the quaint notion of a defined, known toxidrome assumes similarity to previously encountered substances and further assumes that the substance ingested is, indeed, what the user intended to ingest. Spend a short period of time reviewing the fundamentals of toxidromes in a case-based presentation, and at the end you'll know a k-hole from crack washout, formication from carphologia, and other tox tidbits to better direct your care of the undifferentiated prehospital tox patient

**Objectives:**

- Identify classically described toxidromes, including sympathomimetic, serotonergic, sedative-hypnotic, antimuscarinic and muscarinic, and opioid toxicity.
- Understand the etiology behind the "mixed

toxidrome" common to today's synthetic drugs of abuse.

- Recognize the key priorities in caring for patients presenting with varied toxidromes.

**Speaker:** Travis Olives

## Drive to Survive

St. Louis River Room

**Description:** Emergency Medical Services play a supporting role in our Driving 4 Safe Communities (D4SC) coalition and in helping Education, Engineering, and Enforcement inform drivers on ways to improve driver behavior on Minnesota's roadways. The mission of our D4SC coalition is to provide applicable knowledge to help EMS gain knowledge of the contributing factors of motor vehicle crashes, current trends and crash statistics in efforts to become safer, more attentive drivers in the EMS field. This session will also look at current stats and how EMS workers can participate in the Towards Zero Death initiative

**Objectives:**

- Participants will gain knowledge that directly relates to the main 4 reasons why crashes happen on Minnesota roads.
- Participants will understand the Towards Zero Deaths (TZD) initiative to pursue public support of traffic safety as a priority.
- Participants will understand the role they can have to strengthen TZD as a traffic safety partnership.
- Participants will understand how to promote and implement effective traffic safety strategies into their daily lives (as well as their jobs).

**Speakers:** Sarah Buhs  
Jason Hanson  
Victor Lund  
Allison Nicolson

## BREAKOUT SESSIONS END

4:00 pm (Time Varies by Session)

## LEGISLATIVE FORUM

4:15 pm – 5:15 pm

Gooseberry Falls Room

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# SATURDAY

JANUARY 25

## REGISTRATION

7:00 am – 8:00 am

Registration Area

## LIGHT REFRESHMENT OPTIONS

7:00 am – 8:00 am

South Pioneer Hall

## CONFERENCE WELCOME

8:00 am – 8:15 am

Adam Shadiow, Executive Director,  
Arrowhead EMS Association

Lake Superior Ballroom - Main Dining Hall

## KEYNOTE:

### Resilience: Building a Culture of Preparedness

8:15 am – 9:45 am

Lake Superior Ballroom - Main Dining Hall

**Description:** How FEMA Resilience is building a culture of preparedness through closing the insurance gap, mitigation and financial preparedness.

**Speaker:** Daniel Kaniewski

## BREAK

9:45 am – 10:15 am

## BREAKOUT SESSION 4

10:15 am – 11:30 am

## Pediatric Burn Injuries

French River Room

**Description:** Dr. Mohr will discuss the differences in treating adults vs. kids who have suffered burn injuries. He will specifically focus on airway management, fluid resuscitation and mechanisms of injury. Case studies will be presented as well. Please join Dr. Mohr in this enlightening and fast paced discussion that is sure to keep you interested.

### Objectives:

- Understand the epidemiology of pediatric burn injuries.
- Discuss the pathophysiologic changes in pediatric burn injuries patients.







- Discuss pediatric airway management.
- Describe pediatric fluid resuscitation

**Speaker:** William Mohr

## Death and Injury by Things on the Farm

Lake Superior Ballroom L,M

**Description:** Talk and discuss causes of farm related injuries and death involving electricity, Livestock and exposure to Farm chemicals. This can cause a long list of possible injuries that we will help identify and treat

### Objectives:

- Recognize potential harm to responders and what to do about it.
- Know your own limitations as a responder.
- Learn how to identify your treatment necessary for PTs involved.

**Speaker:** John Hansen

## Surviving the Perfect Storm

Lake Superior Ballroom N,O

**Description:** Join Jason Dush as he discusses his firsthand experiences with the initial set-up and management of over 2100 evacuees during Hurricane Harvey. He will break down the challenges and successes of setting up an evacuee collection point, and the process used to successfully evacuate thousands of evacuees in 36 hours.

### Objectives:

- Discuss disaster impact challenges.
- Discuss mass sheltering and public health.
- Discuss effective decision-making and communication strategies for mass sheltering.

**Speaker:** Jason Dush

## In the Hot Zone: Working when explosion is imminent

St. Louis River Room

**Description:** Using the case study of the Husky refinery explosion, this presentation will discuss how EMS providers adapt to the numerous unknowns in a developing MCI. I will discuss how

the role of EMS front line providers changes during a long and dynamic scene. I will also reflect on some observations from front line team members on their thoughts of working within the hot zone of an impending massive explosion.

### Objectives:

- Discuss hot zone MCI operations and the shifting nature of EMS responders as the scene develops.
- Discuss the command structure of the MCI response as scale of the event rapidly increases.
- Discuss coordination of various agencies and resources within the command post.
- Reflect on the Husky refinery incident and discuss what worked and what could be improved as EMS providers.
- Discuss how to prepare for MCI events that become large scale events.

**Speaker:** Anders Hultstrom

## LUNCH

11:30 am – 12:15 pm

## BREAKOUT SESSION 5

12:15 pm – 1:30 pm

## The PAIN of Overdose

French River Room

**Description:** Overdoses from analgesics are some of the most common agents used on intentional overdose in the US. This presentation will discuss over-the-counter and some prescription pain medications. Mechanism of toxicity, toxic amounts, effects seen and treatment will be discussed for each agent. Agents to be discussed include aspirin, Tylenol, Ibuprofen, NSAIDs, tramadol, gabapentin and CBD products

### Objectives:

- Identify Analgesics as a common source of intention overdose and leading agent of serious illness and death in the US.
- Discuss mechanisms of toxicity by the major OTC analgesics including: Aspirin, Tylenol & Ibuprofen and other non-traditional analgesics such as tramadol, gabapentin & CBD.



- List important EMS information obtained on the scene that is important in clinical management of the poisoned patient.

**Speaker:** Kirk Hughes

## Recreational Trauma, ATV Accidents

Lake Superior Ballroom L,M

**Description:** Talk and discuss one of the leading causes of farm related injuries and death, 4 wheelers. Weather recreation or business related, many injuries are the result of 4 wheeler crashes.

**Objectives:**

- Causes of 4 wheelers accidents.
- Injuries related to 4 wheeler accidents.
- Treatment and transport of the Pt involved in a 4 wheeler accident.

**Speaker:** John Hansen

## BLS Understanding of the Triangle of Death: Hypothermia, Acidosis and Coagulopathy

Lake Superior Ballroom N,O

**Description:** The provider who can assess, identify and treat a patient while simultaneously preventing the trauma triad of death will be effective in reducing trauma-related morbidity and mortality. This approach to trauma care is essential, as once the patient develops hypothermia, acidosis and DIC, it is most often not reversible and mortality greatly increases. As EMS providers, our assessments and level of care provided in a timely manner is crucial to increasing successful outcomes. Jason will break down the trauma triad to have a clear understanding to help build your confidence when managing these patients.

**Objectives:**

- Discuss the phases of shock
- Discuss prehospital patient assessment for this patient population
- Discuss prehospital treatment modalities
- Review case studies

**Speaker:** Jason Dush

## Just Because I Can Does Not Mean I Should

St. Louis River Room

**Description:** Provider safety is of paramount concern to ED and prehospital clinicians. Sedating a combative patient is the right strategy in many cases. Emily Price will explore pros as well as the dangers, side effects of and contraindications to sedating a pediatric patient with ketamine. She will also review other medications used to treat behavioral/mental health concerns in these patients and how they may interact with medications that could be used to sedate/restrain a patient in an acute behavioral crisis. Lastly, how do recreational or illicit drugs contribute to these situations and complicate the decision whether to sedate or not.

**Objectives:**

- Justify the compassionate use chemical sedation for the combative patient.
- Adapt treatment choices when treating patients who have recreational or illicit drugs in their system.
- Differentiate classes of pharmaceuticals used to sedate combative pediatric patients.

**Speaker:** Emily Price

## What Do You Mean Your Clinic Doesn't Have a Crash Cart

Gooseberry Falls Room

**Description:** EMS provider expectations can sometimes be formed by the credentials of another provider without considering the environment in which they work. When responding to a pediatric or family practice clinic, EMT's and paramedics may assume the clinic provider with the most education will be in charge. Being accustomed to medical direction, EMS may make assumptions to the detriment of the patient and their family. Dr. Reid will contrast the primary care environment with emergency medicine. He will give participants new perspectives on the proper response to a "clinic call."

**Objectives:**

- Develop communication strategies which enhance team dynamics during transfer of care.



- Contrast care goals and typical patient complaints in the primary care setting with goals of EMS.
- Appreciate the typical clinic preparations and equipment for providing emergency care.

**Speaker:** Sam Reid

## BREAK

1:30 pm – 2:00 pm

## BREAKOUT SESSION 6

2:00 pm – 3:00 pm

### The Toxicology of Shiny, Glow, Slimy, BANG and Fizzy Products

French River Room

**Description:** This presentation will discuss the possible toxicological implications of exposure to unusual products such as Homemade Slime, Snap Caps, Glow Sticks, Hydrogen Peroxide, Gun Bluing, and many other atypical and novelty products. This is a unique, don't miss presentation that you will likely never hear anywhere else.

#### Objectives:

- Identify atypical, novelty and unusual products as they relate to toxicology.
- List clinical effects and potential for significant morbidity/mortality associated with each product.
- Discuss EMS level treatment modalities in general and product specific for products discussed.

**Speaker:** Kirk Hughes

### Harm on the Farm

Lake Superior Ballroom L,M

**Description:** Ag emergencies involving Tractor rollovers, PTO entrapments, and other ag emergencies

#### Objectives:

- Identify traumas one might commonly see in agriculture emergencies.
- Discuss methods of treatment for various ag emergencies.

- Identify different extrication methods.
- Long extrications and how do we handle them.

**Speaker:** John Hansen

### K9 Medicine for EMS

Lake Superior Ballroom N,O

This session will cover basic concepts and practices for pre-hospital care of sick and injured K9 in the public safety arena. K9 are used daily for law enforcement searches, search & rescue and narcotics searches. These dogs can become injured and sick while on duty. EMS has a role in K9 survival following an injury or illness. If you like dogs, this class is for you. You can apply these concepts on your own dogs. This class will have real dogs attending to play.

#### Objectives:

- Discuss common injury patterns and illnesses related to K9
- Discuss treatment modalities for K9 medicine

**Speaker:** Jason Dush

### Don't Forget What Happened

St. Louis River Room

**Description:** In this session the attendee will learn the ins and outs of proper documentation and what they may have to do with it later. How to properly compose a PCR and in the event they need to testify in court, how important those documents will be years down the road.

#### Objectives:

- Documentation and communication NCCR.
- Proper format of a PCR Important items to include, and those that do not need to be included.

**Speaker:** Tom Taylor

### Pain Pain Go Away!

Gooseberry Falls Room

**Description:** The child or infant in pain is not only distressed, but frequently causes distress in providers. Dr. Schwantes will enhance participants understanding of pain and pain pathways. He will also illustrate an approach to pain and comfort



utilizing "multimodal analgesia strategies." Finally, Dr. Schwantes will discuss specific scenarios and applications of these strategies to prehospital cases.

**Objectives:**

- Identify key parts of pain physiology.
- Recognize the key elements of multimodal analgesia.
- Demonstrate pharmacology choices for acute pre-hospital scenarios.

**Speaker:** Scott Schwantes

## BREAKOUT SESSIONS END

3:00 pm (Time Varies by Session)

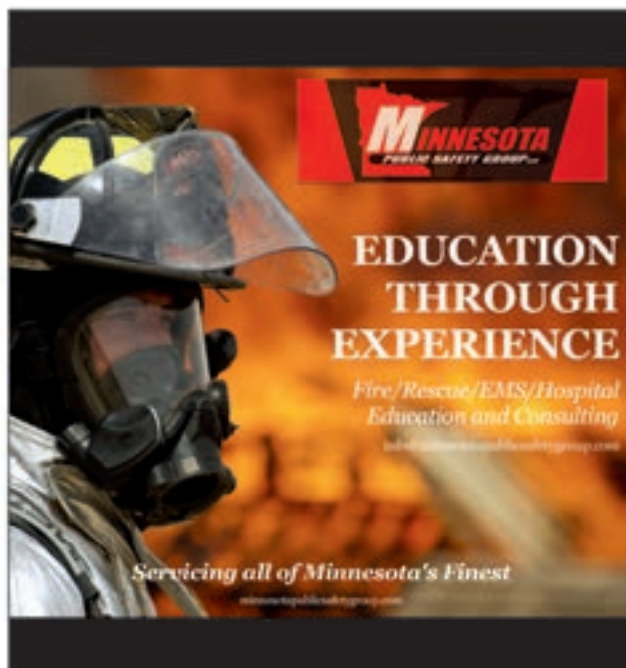
## BREAK

3:00 pm – 3:15 pm

## Closing Keynote: To Be Announced

3:15 pm – 4:15 pm

Lake Superior Ballroom - Main Dining Hall



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# SUNDAY

JANUARY 26

## REGISTRATION

7:00 am – 8:00 am

Registration Area

## BREAKOUT SESSION 7

8:00 am – 9:15 am

### Anatomy of a Heart Attack

French River Room

**Description:** This class will look, into detail, on how heart attacks occur and why we treat them the way we do in the EMS world. A deeper understanding of how heart attacks occur and what it does to the heart muscle will be looked at. This will provide the EMS caregiver with heightened knowledge to provide better, quality patient care for cardiac emergencies.

**Objectives:**

- Review heart anatomy and physiology.
- Explore the mechanical mechanism of the heart.
- Discuss damage caused by a heart attack.
- Review complications that occur from a heart attack.
- Explain the formation of plaqueExplore treatments for acute coronary syndrome (ACS).

**Speaker:** Jeff Schultz

### Shoot it, Snort it, Smoke it.... Drugs that Impair

Lake Superior Ballroom L,M

**Description:** This presentation aims at improving an EMS responder(s) ability at recognizing a patient(s) who portrays reasonable suspicion of using or is under the influence of a controlled substance and how to take appropriate action, patient assessment and safety measures. Review the physical indicators of impairment and how those signs can be misinterpreted. The primary target audience of the lecture is non-law enforcement personnel, i.e. first responders and EMT's without full-fledged detection training, to help them understand the importance of accurate detection and the safety consequences of not applying quality basic patient assessment skills.

**Objectives:**

- List key indicators of imminent danger for EMS personnel when dealing with impaired patients.
- Name the 7 major categories of drugs.





- Describe the observable signs associated with the major drug categories.

**Speaker:** Adam Wojciehowski

## Hands on Approach to Trauma Care

**8:00 am – 3:00 pm**

Lake Superior Ballroom N,O  
(Limited to 45 Participants)

**Description:** This class will be full of hands on reality based scenarios to include trauma, medicine, pediatrics and multi-patient incidents. The scenarios are designed to utilize rapid and focused patient assessment, triage and incident command. There will be human role payers for patients and the students will manage the patients from initial assessment, ongoing management to final disposition. Students should come in comfortable clothing/shoes as there will be kneeling and moving of patients. Students should bring stethoscopes and trauma shears.

### Objectives:

- Review and apply patient assessment
- Review and apply appropriate treatment modalities
- Review and apply triage and ICS for multi-patient incidents

**Speakers:** Jason Dush  
Lucas Goodin

## Manage Your Mind: Mindfulness Practices

St. Louis River Room

**Description:** In today's hectic world there seems to be a marked increase in stressors and a significant decrease in relaxation time in our lives. Our thoughts can become tangled, negative, and maybe even overwhelming. Yet, in as little as 5 minutes per day, we calm our minds, relax our bodies, and untangle our thoughts with simple mindfulness practices, such as: meditation, mindful breathing, brainwave music, Metta Meditation, and Progressive Muscle Relaxation. In this course you will learn the basics of each of these mindful practices that can change your life, change your brain, improve your moods, increase your resiliency, and bring peacefulness back into your daily routine.

### Objectives:

- Meditation Basics: What it is and how it works.
- Mindful Breathing: Basic Breath Work and it's benefits.
- Using Brainwave Music to tune in and enhance your meditations.
- Metta Meditation to enhance empathy and kindness.
- Progressive Muscle Relaxation techniques for deep relaxation and stress relief.

**Speaker:** Holly Brodt

## Interactive Case Studies: Altered Mental Status

Gooseberry Falls Room

### Description:

Altered mental status patients present a complex problem for emergency responders. Is the cause medical, trauma, drug induced, or are the patients always this way? This interactive presentation will go through real life case studies designed to educate as well as entertain. The intent is to allow the audience to think about how they would manage these seemingly simple patients in complex situations before they are encountered in real life. Great pains have been taken to gather information and treatment of these patients not only from the EMS agencies, but also from the treating hospitals. This allows the audience to see the continuum of care from dispatch through hospital discharge.

### Objectives:

- Identify common causes of altered mental status in the medical patient.
- Identify common causes of altered mental status in the trauma patient.
- Identify proper EMS treatment of patients with altered mental status.

**Speaker:** Ryan T. Mayfield

## BREAK

**9:15 am – 9:30 am**

## BREAKOUT SESSION 8

**9:30 am – 10:45 am**



## To Backboard or Not Backboard

### French River Room

**Description:** Backboarding patients has come under fire recently. We will look into why this “standard” treatment may not be standard any more. There has been much research in why we should not backboard patients in the field. Looking further into this dilemma is the purpose of this lecture.

**Objectives:**

- Identify patients that need backboarding.
- Review criteria needed to not backboard a patient.
- Outline patient conditions that warrant backboarding.
- Discuss anatomy and physiology of the spine and neck regions.

**Speaker:** Jeff Schultz

## Excited Delirium

### Lake Superior Ballroom L,M

**Description:** Excited Delirium (ExD) has a long history and the condition is described as one where a person exhibits extreme agitation with acute onset. The person who suffers from the syndrome will experience fear, panic, violence, hyperactivity, shouting, unexpected strength, hyperthermia, disorderly behavior such as disrobing in public and many other “out of the ordinary” actions. Unfortunately, this scenario often results in an incorrect assessment by public safety which can cause deaths.

**Objectives:**

- Identify recommended treatment options for excited delirium patient.
- Discuss myths and misinterpretations of ED patients.
- Explain how to maintain EMS personnel safety while treating ED patients.

**Speaker:** Adam Wojciehowski

## Autism and Emergency Response

### St. Louis River Room

**Description:** With a steadily increasing diagnosis rate, currently at 1:59 nationally and 1:42 locally, Autism Spectrum Disorder (ASD) is the fastest-

growing developmental disability in the state of Minnesota. Because of this high prevalence, it is likely you will encounter someone affected by ASD in your work as an EMS professional and/or first responder. In this session you will learn common characteristics and challenges associated with ASD and obtain strategies to address challenging behavior and facilitate communication, socialization, and self-regulation skills in order to best support individuals on the spectrum

**Objectives:**

- Receive a general introduction to autism spectrum disorder (ASD).
- Learn about the characteristics of ASD as manifested in children, teenagers, and adults.
- Understand how to interpret and respond to the behavior of those on the spectrum.
- Obtain strategies for communication and behavior management in emergency response situations.

**Speaker:** Eric Ringgenberg

## Shining Light on Feeling Right

### Gooseberry Falls Room

**Description:** Numerous states have passed laws allowing medical and recreational marijuana, however little is taught to EMS about how the ratio of the different chemicals contained effect the body and interact with other medicines. This session will cover the assessment and treatment of patients who have used medicinal marijuana in all the various and creative forms it comes in.

**Objectives:**

- Identify how the body processes cannabis.
- Understand the components of cannabis and the effects that can be seen from them.
- Understand potential medical uses of cannabis.

**Speaker:** Ryan T. Mayfield

## BREAK

10:45 am – 11:00 am

## BREAKOUT SESSION 9

11:00 am – 12:15 pm



## Oh, Crap! I'm Alone! Now What?

French River Room

**Description:** Have you ever had that "oh crap" situation where you find yourself alone g.n.th\* scene to provide care? Your anxiety increases and the scene becomes chaotic. Come and join us in this highly interactive session with the objectives to reduce that stress and anxiety and bring order to that chaos.

### Objectives:

The attendee will be able to:

- Demonstrate effective communication with bystander(s) and family.
- Demonstrate increased confidence with assessing a patient as a single rescuer.
- Effectively determine treatment priorities.
- Effectively determine equipment needs for the patient's condition.
- Demonstrate improved communications with responding units.
- Demonstrate increased confidence with initial scene management

**Speakers:** Martin Sullivan  
Marvin Sullivan  
Nicci Trierweiler  
Brad Zinniel

## EMS and Public Health's Role in Healthcare Evacuations

Lake Superior Ballroom L,M

**Description:** This seminar will explore the supportive role that public health organizations can take to ensure safe, timely, and effective evacuations of healthcare facilities during times of disasters or unplanned events.

### Objectives:

- Describe the challenges of evacuations of inpatient, ambulatory, and residential healthcare facilities.
- Discuss potential steps in identifying and clarifying the partnership of public health with healthcare organizations.
- Examine program(s) that have aided in efficient identification of needed resources for evacuations.

**Speaker:** Adam Wojciehowski

## Pediatric Trauma Case Studies

St. Louis River Room

**Description:** This is a 90 minute presentation where we will incorporate learning by looking at two case studies involving pediatric trauma.

### Objectives:

- Discuss scene considerations when responding to pediatric calls.
- Develop decision making when assessing pediatric patients on scene Incorporate learning by discussion and problem solving.

**Speakers:** Caroline Aulie  
Laura Reitmeier  
Johanna Thompson

## Interactive Case Studies: Real Patients in Unusual Situations

Gooseberry Falls Room

**Description:** Even the most creative person can't produce some of the scenarios that EMS professionals encounter in the field. This interactive presentation will go through real life case studies designed to educate as well as entertain. The intent is to allow the audience to think about how they would manage these seemingly simple patients in complex situations before they are encountered in real life.

Great pains have been taken to gather information and treatment of these patients not only from the EMS agencies, but also from the treating hospitals. This allows the audience to see the continuum of care from dispatch through hospital discharge.

### Objectives:

- Describe proper treatment of a patient who has been tased.
- Discuss issues surrounding patient refusal and proper assessment for refusal.
- Identify a patient in septic shock and understand proper pre-hospital treatment.
- State proper EMS assessment and treatment for a patient with an internal decapitation.

**Speaker:** Ryan T. Mayfield

**BREAKOUT SESSIONS END**  
3:00 pm (Time Varies by Session)



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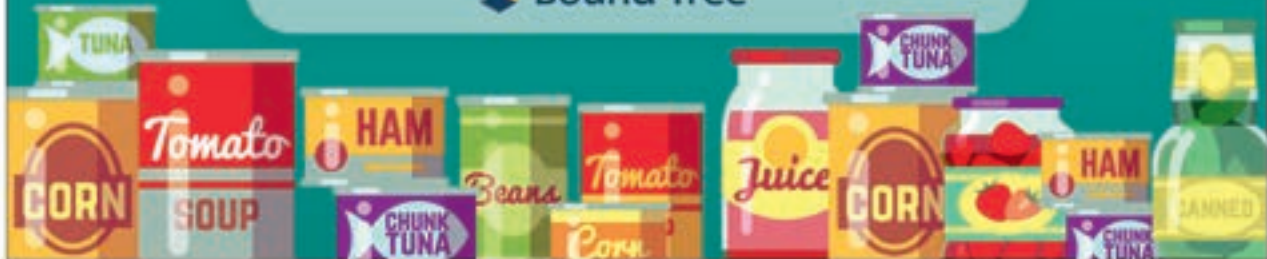
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# PRESENTERS

## **Matt Ashmore**

Is a Battalion Chief/EMS Director for Hibbing Fire Department; a 20+ year veteran in Fire & EMS; Instructor/Clinical Coordinator Mesabi Range College Paramedic Program; NAEMT AMLS and PHTLS Instructor/Coordinator; AHA BLS, ACLS and PALS Instructor; Handtevy Instructor

## **Caroline Aulie**

Caroline grew up in South Carolina and then moved to Alaska, where she lived for 8 years. Caroline received her BS/NS degree at the University of Alaska in Anchorage. After graduation she worked at Alaska Regional Hospital in the ICU. In June of 2016, Caroline and her husband relocated to Esko, MN, to be closer to family. Caroline then worked at St. Mary's Essentia SICU and St. Luke's Hospital ICU. Caroline continues to work at St. Luke's Hospital in the ICU in addition to flying for Life Link III.

## **Mary Ellen Bennett**

Mary Ellen Bennett is employed by The MN Department of Health with the ICAR Team. ICAR is a CDC funded program to promote infection prevention in health care settings. Previously, she was the Director of Infection Prevention and Employee Occupational Health at Hennepin County Medical Center. She is Board Certified in Infection Control. Ms. Bennett's background is nursing and she has been an active member of APIC-MN, which is the professional organization for infection prevention locally and nationally. She is passionate about safe patient care, preventing healthcare associated infections, ensuring safety for healthcare providers, and emergency preparedness

## **Holly Brodt**

Holly Brodt is a retired St. Paul Police Officer who has been a Certified Police Peer Counselor for over 30 years and Certified in Critical Incident Response and Critical Incident Stress Management for over 20 years. In addition to her Law Enforcement Degree, she holds a Bachelor Degree in Clinical Psychology from Northwestern University. She is an active member of the Association of Trauma Specialists, Arrowhead CISM

Team (since 2012), an Arrowhead CISM Outreach Education Instructor (since 2014) and the Outreach Education Coordinator (since 2015).

## **Shawn Brown**

Dr. Brown is a board-certified emergency medicine physician who practices in Duluth, MN, and Marquette, MI with a special emphasis on disaster management and emergency preparedness. She has prehospital experience as an EMT and previous medical director of Fredenberg Volunteer Fire Department.

## **Sarah Buhs**

Sarah Buhs has worked in the fire service for over 20 years. She has been the Public Education Coordinator for the CAFD since 2011. She has created and implemented many life safety programs in Carlton and Saint Louis Counties. Sarah is also a Child Passenger Safety Proxy and activity participates in the Safe Kids NE MN and Driving 4 Safe Communities coalitions. Sarah also strives to meet the CAFD's mission... "to improve and enhance the quality of life within the communities we serve."

## **Ken Collins**

Ken Collins began his career as a Firefighter in Southaven, MS, retiring as a Lieutenant after twenty five years of service, where he was also the LODD State Coordinator for twelve years. He then spent three years as a Lead Instructor for SERTC in Pueblo, CO, as a Surface Transportation Specialist, engaging with students from all over North America. Most recently, Ken has spent the last four years as a Dangerous Goods Officer for CN Railway, covering hazmat education, preparedness, and response in Minnesota, Wisconsin, the Upper Peninsula of Michigan, and Canada. Ken also remains active in the fire service as a Captain with the Plover, WI, Fire Department and is also a Waupaca Hazmat team member.

## **Justin Corcoran**

Dr. Corcoran completed his emergency medicine training at the Mayo Clinic in Rochester, MN. He is currently a

senior fellow in the Regions Hospital toxicology program. His research interests include toxin-mediated cardiogenic shock and toxicology education.

## **Ed Dankbar**

Ed graduated from Lake Superior State University in Sault Ste. Marie, MI, with a Bachelor's degree in Fire Science. Ed started with CP as an overhead lift operator loading and unloading highway trucks and intermodal trains at CP's Shoreham intermodal terminal in Northeast Minneapolis. Later Ed transferred to the mechanical department at CP's St. Paul, MN yard as an apprentice Carman, and worked his way up to relief foreman, and later to train servicing foreman. Ed joined CP's Hazmat team in 2013. Ed has also have been a volunteer firefighter in the Twin Cities for the past 11 years.

## **Sheila Denton**

Sheila has been in EMS since 1999, and served as the Captain of Granada (MN) First Responders from 2009 until 2018. Sheila currently works as the Child Passenger Safety specialist for South Central MN EMS, and is the go-to-guru for all things related to CPS. Sheila and her husband Dan have 2 children (Bethany and Eian), and are extremely active in making Granada a wonderful place to live!

## **Jason Dush**

Jason serves as the EMS Manager for the Texas Department of Public Safety. Prior to working for DPS, he was the Chief Operating Officer for a national ambulance transport company. He previously worked as full-time Firefighter Paramedic for the Arlington Fire Department for 10 years where he also served as the EMS Clinical Coordinator for 3 years. Jason's resume includes 25 years of paid EMS/Fire with 2 different large metropolitan departments and 13 years as a Critical Care flight paramedic. Jason has been an active commissioned police officer and Tactical Paramedic since 1997, currently commissioned as a sheriff deputy in Williamson County, TX. Jason is passionate about EMS education and is a known speaker locally



and nationally over the last 15 years for bringing a sense of motivation, humor, passion, energy, leadership, and practical experience to his audience.

### **Joe Eichton**

Joe manages hazardous materials and environmental incident prevention, preparedness, response and recovery for Minnesota, Western Wisconsin and Northern Iowa. He started with Union Pacific in 2015. Prior to his current position, he spent 19 years with a waste management company as a Regional and Branch Manager of Industrial Waste Services and five years with an emergency services company as Environmental Services-Emergency Response Manager covering five states. Professional certifications include OSHA Hazwoper, NIMS ICS 100, 200, 300, 400, 700 and 800 and Shell Firefighter Advanced Basic Training conducted via Texas A&M Engineering Extension Services at Texas A&M University. He received his BA from The University of St. Thomas in St. Paul, MN and resides in Stillwater, MN. Joe's hobbies include world and U.S. history, golf and coaching youth hockey and baseball.

### **Reuben Farnsworth**

Reuben started his career in EMS as an EMT-B on a rural volunteer service and is currently a Critical Care Paramedic and Captain with Delta County Ambulance District. Reuben is the President of RockStar Education and Consulting, heavily certified in the alphabet soup disciplines and an international speaker on topics from CPR to Critical Care Paramedicine and everything in between. You can find Reuben on the web on FaceBook as RockStar Education and Consulting, or on his website; [www.rockstareducation.net](http://www.rockstareducation.net) and [www.rockstarmedic.com](http://www.rockstarmedic.com). Reuben can be reached by email at [rockstareducation@gmail.com](mailto:rockstareducation@gmail.com)

### **Geoffrey Galaski**

Geoff has 20 years of experience in public safety fields. He is currently the Executive Director for the Ely Area Ambulance Service, which services over 1,500 sq. miles. Currently serves on the AEMSA Board of Directors. Has been an EMS educator for 16 years.

### **Lucas Goodin**

Lucas Goodin is the Fire Chief for the Cromwell-Wright Fire and Ambulance District with 22 years experience working in the pre-hospital setting. He has taught for Hibbing Community College/Advanced Minnesota since 2001, teaching BLS and ALS classes. As well as working in the Emergency Department at Community Memorial Hospital in Cloquet, MN for the past 15 years. He also teaches with the CALS Program from the University of Minnesota.

### **Mark Griffith**

Mark started in EMS in 2002, starting with South Central MN EMS in 2009 as it's Education Coordinator, becoming it's Director in 2014. Mark received his EMT certification in 2002, and has volunteered for St. Charles, Plainview, and New Richland Ambulance services. Mark currently volunteers for Le Center, MN Ambulance. Mark holds a Bachelor of Science Degree in Emergency and Disaster Management, and a Master of Public Administration in Non-Profit Organizational Management. Mark and his wife Kim are proud parents of 4 children.

### **Tammy Hale**

Tammy Hale MSN, RN, CIC is a Nurse Specialist at the Minnesota Department of Health. She is a team member of the Infection Control Assessment and Response (ICAR) Program, which has conducted onsite assessments to an estimated 400 healthcare facilities across the state of Minnesota. She received a Bachelor of Science in Nursing from the University of North Dakota and a Master of Science in Nursing from Minnesota State University Moorhead. Her more than 20 years of nursing experience includes her role as an Infection Preventionist, Nursing Educator and Emergency Nurse.

### **Kyle Halvorson**

Primary Children's Hospital Resident/ Fellow of the Year 2017 Nathan C. Avery Pediatric Neurosurgery Fellow; Department of Neurosurgery, University of Utah 2016 Duke University Medical Center, Department of Neurosurgery Residency 2011-2016 Duke University Medical Center, Department of Surgery Internship 2010-2011 Creighton University School of Medicine, Omaha, NE M.D. May 2010

### **John Hansen**

John grew up and continues to farm the family farm. Involved in EMS and fire for 30 years. Paramedic for the last 15 years. Teaching EMT classes for 28 years with Ag Emergencies his speciality. He raises corn, beans, hogs and cattle along with trucking livestock short and long distance.

### **Jason Hanson**

Jason Hanson has been in Law Enforcement for 20 years, the last 15 years with Minnesota State Patrol. He is currently the Toward Zero Deaths Coordinator for the Duluth State Patrol District focusing on traffic safety initiatives with allied partners and agencies.

### **David Hottinger**

David is the Manager of Spiritual Care at Hennepin HealthCare (HCMC), the Level One Trauma Center in downtown Minneapolis. David has 20 years' experience providing spiritual care in trauma, medical, mental health, hospice, parish and war zone settings. He received his education at Harvard Divinity School, the Hebrew University of Jerusalem, and Oberlin College

### **Kirk Hughes**

Kirk Hughes is an RN working as a Certified Specialist in Poison Information and Education Director for the Minnesota Poison Control System since 2000 and has managed over 86,000 tox-related medical cases. He has been a Firefighter/ EMT for the last 26 years and current serves as a member of the City of Ramsey Fire Department, EMS training officer for Lexington Fire Department and is retired from the Brooklyn Park Fire Department. Kirk also has worked as an Investigator for the Hennepin Medical Examiner's Office and is a Hazmat Technician. His publications appear in: The Journal of Perinatology and The Journal of Clinical Toxicology.

### **Anders Hultstrom**

Anders has been working as a paramedic for four years for Mayo Clinic in Duluth/Superior and have attended multiple MCI trainings. He responded for the initial explosion to the Husky Refinery Explosion and later moved into the command post as the IC medical control officer. Anders is also an ACLS and PALS instructor.



## **Daniel Kaniewski**

Daniel Kaniewski, PhD was unanimously confirmed by the Senate as a Deputy Administrator on September 14, 2017. He is currently FEMA's second ranking official and leads the newly organized FEMA Resilience.

Previously, Dr. Kaniewski was Vice President for Global Resilience at AIR Worldwide, a catastrophe risk modeling and consulting services firm. He was also a Senior Fellow at the Center for Cyber & Homeland Security and served as Mission Area Director for Resilience and Emergency Preparedness/Response at a research center supporting the U.S. Department of Homeland Security.

In the George W. Bush Administration, he served as Special Assistant to the President for Homeland Security.

Dr. Kaniewski holds a Bachelor of Science degree in Emergency Medical Services from George Washington University, a Master of Arts degree in National Security Studies from the Georgetown University School of Foreign Service, and a Ph.D. in Public Policy and Administration from George Washington University.

## **Caitlin Korpi**

Caitlin Korpi is the EMS Coordinator at Arrowhead EMS Association. She is an EMT certified by the National Registry of Emergency Medical Technicians and serves in a variety of training and response roles for Eveleth Ambulance and Ely Area Ambulance Service. She possesses an AAS in Paramedicine and an AA in Liberal Arts from Mesabi Range College. Caitlin is an AHA BLS Instructor/Trainer Center Faculty and is certified by the State of Minnesota as an EMS Educator and is charged with coordination of AEMSA's certified education program. In her spare time, she is also an active member of the faculty at the Mesabi Range College and the Minnesota Public Safety Group, LLC.

## **Matt Lange**

Matt is a native from Madelia MN. He studied law enforcement at Ridgewater College in Willmar MN where he worked for the Willmar PD. He currently lives in Truman MN, where he is a volunteer firefighter and EMT for the Truman Fire Dept. and Ambulance service. He is

employed full time as an NREMT for the Mayo Clinic Ambulance Service in Fairmont MN. He became an instructor for South Central EMS in 2019. Matt is married to wife Kristen, and they have 6 children and 1 foster child. In his free time Matt enjoys camping, renovating their home, traveling, spending time at the firing range, and advising the local fire explorers post for youth.

## **Kim Lightley**

Kimberly Lightley is a surviving crewmember of the US Forest Service, Prineville Interagency Hotshot Crew, from the South Canyon Fire on Storm King Mountain, which claimed the lives of fourteen wildland firefighters in Glenwood Springs, Colorado on July 6th, 1994. A future dedicated to advocacy for firefighter safety and behavioral health ensued. As an educator, Kimberly has spoken in venues across the nation and internationally, delivering mechanisms of coping and mental health well-being in preparation and mitigation of the stress associated with the firefighting occupation. She has acquired training with the National Fallen Firefighter Foundation, International Critical Incident Stress Foundation, Duke University of Integrative Medicine and the Mind Fitness Training Institute. As a fire peer, she has responded to numerous critical incidents, providing on-site peer counseling.

## **Victor Lund**

Vic Lund is the Traffic Engineer for St. Louis County where he leads the Traffic Division. He received his Bachelor of Science degree in Civil Engineering from Michigan Technological University and his Master of Science degree with an emphasis in Transportation Engineering from Iowa State University. He is the current chair of the Minnesota County Engineers Association Highway Safety Committee and he has served as a technical liaison for several research projects in Minnesota.

## **William Maloney**

Mr. Maloney's focus over the last 35 years has been with specialized populations and offering Behavioral Health direct service, training, and consultation to Military, Public Health/Safety, Emergency Preparedness, Public Schools and Medical professions.

Considered a SME by both the DOJ and DOD in Crisis Communication and Response, Risk and Threat Assessment, Trauma and Stress Management. An FBI Trained Hostage Negotiator Mr. Maloney has provided his expertise on 3 SWATT Teams.

He has provided services on the ground in Oklahoma City, Littleton Colorado, World Trade Center Ground Zero, Senator Paul Wellstone's plane crash, and the Red Lake Indian Reservation, I-35 Bridge Collapse, as well as other disaster related incidents.

## **Mike Marturano**

Mike recently retired from St. Luke's Hospital in Duluth, MN after almost 43 years of service. For 17 years he was the Safety Officer responsible for all aspects of the safety program at St. Luke's including EPA/MPCA compliance, life safety and fire code compliance, OSHA compliance, patient safety, Emergency Management, and Chairman of the Safety Committee. In his emergency preparedness role, he was Chairman of the Emergency Preparedness Committee. Previous to taking over the Safety Officer position, he was the Biomedical Engineering Manager at St. Luke's for 26 years and has been involved in Emergency Management since 1979.

Currently he teaches safety & emergency management related courses at UMD in the Masters of Industrial Safety and Hygiene Program, High Consequence Infectious Disease and Hospital Decontamination courses for the University of MN and works at the Duluth Airport as a Special Projects person responsible for Emergency planning and exercises and review of Safety Programs. He runs his own Safety Consulting & Training business; Bullseye Safety and Training helping small health care organizations & small businesses set up safety and maintenance programs for their facilities along with emergency and security plans. Other parts of the business include permit to carry classes, defensive pistol classes, women's pistol classes, and CPR & First Aid courses. A huge part of the business is Active Shooter Awareness Training and Drills which is done at all types of businesses and facilities.



## **T. Ryan Mayfield**

T. Ryan Mayfield has been working in emergency services since 1996. Currently he is employed by Hennepin EMS as the Deputy Chief of Education. Ryan's passion is showing that prehospital care positively affects patient outcomes. He has held various EMS teaching positions across the country and is known for presenting information in an entertaining and informative fashion.

## **Buck McAlpin**

Buck McAlpin has worked in Government Affairs for nearly 20 years. In 2004, Buck founded McAlpin Consulting LLC, to provide consulting and active lobbying services to corporate, trade association and non-profit clients, which provides primarily health care consulting. Buck has worked in the health care arena since 1985, starting as a Paramedic for North Memorial Health Care and working through the ranks to Operations Manager and most recently as the Director of Government Relations. Buck has an extensive background in health care financing and a strong understanding of the commercial and governmental payment programs at the State and Federal level. Buck also understands the legislative hurdles involved around "Scope of Practice" issues. Buck drafted, lobbied and successfully implemented the first of its kind "Community Paramedic" program in Minnesota. Buck travels around the Country as a frequent speaker and a sought out expert on Scope of Practice issues and implementation of the Community Paramedic Program. Buck maintains a National and State licensure as a Paramedic in Minnesota.

## **Nova McNally**

Nova has specialized in the rehabilitation of patients with TBI for the last nine years. She is the Traumatic Brain Injury Outpatient Program Manager at Hennepin Healthcare. Prior to that she worked as the lead Occupational Therapist, and has been responsible for the care of thousands of patients suffering from visual dysfunctions after a mild traumatic brain injury (mTBI). Although mTBI comprises 80% of the 3.5 million brain injuries, they have been under diagnosed as well as under-served by the medical community. It is part of Nova's professional mission as well as

that of Hennepin Healthcare, to continue educating the public and medical community on traumatic brain injuries.

## **William Mohr**

Dr. Mohr, MD, started his burn career in 1996 and has been a part of the Burn Center at Regions Hospital since 2001. He attended medical school and completed a general surgery residency at the University of Nebraska Medical Center. He has also completed fellowships in trauma surgery at Regions Hospital and burn surgery at the UNMC - Clarkson Burn Center. Prior to joining Regions, Dr. Mohr was the Co-Director for trauma in Colorado and the Assistant Director of burn centers in Colorado and Nebraska. He is board certified in general surgery, is a Fellow in the American College of Surgery, and is a member of the American Burn Association. His academic interests include burn resuscitation strategies, reduction in burn infections, and frostbite management.

## **Richard Mullvain**

Richard is a clinical pharmacist board certified in Cardiology, and is the STEMI Program Manager for Essentia Health, in Duluth, MN. He has worked for Essentia for 27 years. Richard is a well known educator in the Northland, and was the Co-Chair of the AHA Minnesota Mission Lifeline STEMI Project starting in 2013. Richard has 15 publications related to heart attack care.

## **Allison Nicolson**

Allison Nicolson has worked in Duluth's local hospitals for 22 years as a Certified Recreational Therapist. The last 11 years of Allison's career have included injury prevention and is the injury prevention coordinator on the trauma floor at Essentia Health. Allison is a Child Passenger Safety instructor and coordinators the Driving 4 Safe Communities and Safe Kids Northeast Minnesota coalitions. She is passion about educating to prevent injuries and deaths at any age.

## **Paul Nystrom**

Dr. Paul Nystrom is Assistant Chief Medical Director for Hennepin EMS, Medical Director for Edina Fire and also provides medical direction to multiple other suburban fire and law enforcement

agencies. His areas of expertise include nutrition and exercise, specifically as it relates to public safety personnel, tactical EMS, and mental toughness. He coauthored the book Code Calm in 2008, and is an Assistant Professor of Emergency Medicine at the University of Minnesota. Dr. Nystrom also works as a sworn law enforcement officer with the Plymouth police department.

## **Mike Oeffler**

Mike is the father of two great boys, and lucky enough to be married to his best friend. He has been a volunteer EMT since 2012 in Minnesota Lake, and have found it to be more rewarding than I could have ever hoped for. Mike has been an active continuing education instructor with the South Central Minnesota EMS Regional System, and has played a key role in moving those courses into an online format. Mike became SCEMS' Education Coordinator in February, 2019.

## **Travis Olives**

Dr. Olives is a faculty emergency physician and medical toxicologist with Hennepin Healthcare, and Associate Medical Director of the Minnesota Poison Control System. He divides his time working in the ER, the Poison Center, and on the wards as a consulting toxicologist, and conducts research in prehospital management of acute agitation, social determinants of health care, and other subjects.

## **Emily Price**

Emily completed her education at the University of Minnesota earning a PharmD from the College of Pharmacy in 2006. Much of her clinical time is spent in the United Health Emergency Department of Children's Minnesota in Minneapolis.

## **Jerome Quimby**

On the Emergency response team for 25 years. Served as the coordinator for 20 years, and as Fire Chief for 5 years. Disciplines: EMR, High-angle rope rescue, and Industrial Fire Fighting.

## **Mitch Radin**

Mitch Radin is a senior clinical psychologist with Hennepin Healthcare who provides trauma focused psychotherapy on an outpatient basis, and is a clinician on the hospital's



psychology consult service, providing bedside trauma support to people suffering acute medical injuries or newly discovered terminal diagnoses. He is also the psychologist liaison to the burn unit and a consulting psychologist for MVNA and Hospice of the Twin Cities, the home health nursing organization within Hennepin Healthcare. Prior to coming to Hennepin Healthcare, Mitch worked for 16 years on the Berkeley Mental Health Mobile Crisis team, providing crisis and disaster support alongside the Berkeley, Albany, and University of California police and fire departments.

### **Sam Reid**

Sam joined Children's Minnesota in 1996 after completing medical school, a pediatric residency and a pediatric emergency medicine fellowship at the University of Minnesota. His areas of research interests include dehydration, head injury and parental involvement in clinical decision making. He enjoys making 'outreach' visits to area clinics and hospitals on such topics as fever, dehydration, preparing the office for pediatric emergencies and literature reviews.

### **Aarron Reinert**

Aarron Reinert holds a Master of Arts in Organizational Leadership and is the Executive Director for Lakes Region EMS. Lakes Region EMS is a rural ambulance service serving Minnesota and Wisconsin composed of 85 full-time staff with a Paramedic/EMT staffing pattern. Previous to Lakes Region EMS, Aarron was the Field Services Manager for the Minnesota Emergency Medical Services Regulatory Board. At the EMSRB, his projects included creating and implementing a statewide web based data collection system, developing statewide EMS communication systems, and coordinating EMS bioterrorism preparedness.

Aarron has become nationally known as a leader, master teacher and expert in management, leadership, system design and applied best practices in rural and small town emergency medical services systems. Aarron has been involved in emergency medical services for more than 29 years and is the executive director of an emergency medical service in central Minnesota. He is well known for asking tough questions and encouraging out-of-the-box thinking. Using such tools as

the Balanced Scorecard, Aarron helps organizations recognize the necessary balance between finance, customer service, employee satisfaction and community awareness. Aarron's recognized understanding of current emergency services issues led to him serving on numerous national boards and projects and to an appointment as chairperson of the National EMS Advisory Council by the U.S. Secretary of Transportation.

### **Laura Reitmeier**

Laura currently works as a Certified Flight Paramedic for Life Link III for the last year and a half. Prior to her flight career Laura worked for Heath East Ambulance Service. She earned her Paramedic through Century College in White Bear Lake in 2013 and in 2016 obtained her Critical Care Certification through HCMC EMS.

### **Zach Rinehart**

Zach has been in EMS Since 2017 with the South Central EMS working rehab training and support, EMS education, and IT and web design. Zach's background studying Communication and Media Ecology at Bethany Lutheran College in Mankato provides unique insight in incorporating technology and improve logistics within EMS. Zach was a big part of South Central EMS making the change to a more technology focused training program.

### **Eric Ringgenberg**

Eric Ringgenberg is the Education Program Director for the Autism Society of Minnesota. He has a Bachelor of Science in Child Psychology from the University of Minnesota- Twin Cities and a Master of Arts in Special Education- Autism Spectrum Disorders from the University of St. Thomas. Additionally, Eric has more than a decade of experience working with individuals on the autism spectrum in multiple settings and capacities, as well as coordinating implementation of evidence-based practices.

### **Jeff Schultz**

Jeff Schultz began his EMS career in 1982 as a volunteer EMT. He transitioned to a full-time EMT in 1984 and continued both full-time and volunteer EMS. He completed his paramedic education in 1987 at Lansing Community College in Lansing, Michigan and went to work for Croswell EMS in Croswell, Michigan. During this

time he was awarded paramedic of the year in 1989 and 1990. In 1997, he began a career as a paramedic/instructor at Tri-Hospital EMS in Port Huron Michigan. Currently he works as a paramedic and an Assistant Professor of Emergency Medicine at Mayo Clinic Ambulance Service and Mayo Clinic School of Health Sciences. He is a frequent presenter at EMS conferences around the country. He attended Rochester Community and Technical College for an Associate's degree in Intensive Care Paramedicine and Oregon State University for his B.S. in Natural Resource Management.

### **Scott Schwantes**

Dr. Schwantes treats and manages children with acute, chronic, and complex pain. He is board-certified by the American Board of Pediatrics and the American Board of Hospice and Palliative Medicine. Additionally, he is a fellow within the American Academy of Pediatrics and the American Academy of Hospice and Palliative Medicine. He has dedicated his career to working with children suffering from distressing symptoms, and is renowned locally, nationally, and internationally for his efforts which have included published articles, book chapters, presentations, keynote addresses, and service in leadership positions.

### **Michael Scott**

Michael Scott is a retired Police Officer and has worked as Deputy Sheriff, Police Officer, and Conservation Officer for 25 years. He has worked as a patrol officer, Field Training Officer, Background Investigator, Narcotics Investigator, SWAT team member, Investigator and Conservation Officer. Mike is a Use of Force instructor and Master Firearms instructor teaching Law Enforcement and non-law enforcement people firearms training. Mike served 6 years in the United States Marine Corps out of high school serving in an Infantry Battalion and also as a cold weather survival and mountain warfare instructor.

### **Neal Stocker**

Neal has been an EMT since 2000 with Le Center Ambulance. In addition to having served as the service's training officer, Neal also does continuing education instruction for South Central Minnesota EMS and serves as one of the region's



PEPP coordinators. In addition to being an awesome instructor, Neal is also active in local BBQ smoking competitions.

### **Martin Sullivan**

Marty has been an EMT for 16 years starting out on a volunteer BLS ambulance service. He has worked part time for 2 years for Ridgeview Medical Center, and went full time a year ago. Marty has coordinated and provided medical care for local BMX tracks for the past 6 years. He has been an EMS educator for the past 10 years.

### **Marvin Sullivan**

Marvin has been an EMT with Le Sueur Ambulance Service, now Ridgeview Ambulance, for the past 15 years. He has been an EMS educator for the past 7 years, mainly working with simulation. Marvin works full time with the Mentally Ill and Dangerous Population at a residential treatment facility.

### **Tom Taylor, Jr.**

Tom has over 28 years of experience within the EMS and public safety realm. He has served on four ambulance services, one rescue squad and is a retired police sergeant. He specializes in safety and documentation related topics for EMS responders.

### **Johanna Thompson**

Hanna joined Life Link III as a Flight Paramedic at the Hibbing MN base. She now continues to work as a Certified Flight Paramedic at the Rice Lake WI base. In addition to being a flight clinician she is a Clinical Educator and Preceptor for Life Link III. Hanna has been in EMS for the last 15 years. She obtained her Associates in Paramedic Science in 2010 from Wisconsin Indianhead Technical College. She worked as a Critical Care Paramedic for Sawyer County Ambulance and North Memorial prior to her flight career. In addition she is an EMS Instructor at Wisconsin Indianhead Technical College for the last 13 years. Hanna also has a background in Law Enforcement, Tactical EMS and Music Education. Hanna is a member of Wisconsin EMS Association, ASTNA and the International Association of Flight and Critical Care Paramedics. She received the STEMI Award from Essentia Health in September of 2017 and most recently completed the Extreme Ownership Muster Leadership Course

in May of this year. Hanna continues to strive to become a better flight clinician, educator and leader in EMS.

### **Nicci Trierweiler**

My name is Nicci Trierweiler. I have been on the Kerrick Fire & Rescue Department for over 20 years. I started out as a First Responder, now EMR's, and a firefighter. I eventually got my EMT license. I was the secretary at Kerrick Fire and was the Vice President and Gambling Manager for the Relief Association there. I have been involved with Arrowhead for many years; I started as a volunteer, went to Board meetings, joined committees, helped where I could and am now the Volunteer Coordinator for our Conference.

As many of you know, I have a special needs son and I have been an advocate for the special needs community through Special Olympics and have become a voice for them in the air travel industry.

### **Patricia Watson**

Patricia Watson, Ph.D. is a senior educational specialist for the National Center for PTSD, assistant professor at Dartmouth Medical School in the Department of Psychiatry, and former assistant director of terrorism and disaster programs for the National Center for Child Traumatic Stress. Prior to joining the National Center for PTSD in 1998, she was an active duty Navy psychologist for eight years, working with adults for four years, and children and families for four years. She has co-authored the Psychological First Aid (PFA) Field Guide and the Skills for Psychological Recovery (SPR) Manual, the Combat Operational Stress First Aid (COSFA) Field Guide, and Curbside Manner and Stress First Aid for Firefighters and Emergency Services Personnel, as well as co-edited three books on disaster behavioral health interventions, and numerous articles, guidance documents, and chapters on disaster mental health, combat and operational stress, early intervention, and resilience. Special areas of professional interest include: science-to-service interventions, early intervention treatments for trauma, trauma in children and adolescents, and growth aspects of trauma. Her education includes a doctoral degree in clinical psychology from Catholic University, and a postgraduate fellowship in pediatric psychology at Harvard Medical School.

### **Michael Wilcox**

Michael Wilcox, MD is a Board Certified Family Practice Physician who has practiced in rural Minnesota for 38 years. He received his Bachelor of Arts degree at the University of Minnesota and his Doctor of Medicine Degree at the University of Minnesota, Minneapolis. Dr. Wilcox took his post graduate training at Hennepin County Medical Center, in Minneapolis and completed his Bush Medical Fellowship in Critical & Emergency Care in 1985. Dr. Wilcox is the Coordinator at the Emergency Care Plus Program for North Memorial Medical Center in Minneapolis, and Clinical Associate Professor in the Department of Emergency & Family Medicine, University of Minnesota. Dr. Wilcox is the Medical Director for Rural EMS Services, as well as Medical Director at the Community Paramedic Program at Hennepin Technical College. An early architect of community paramedicine, Dr. Wilcox offers clinical skills training and oversight, CME/curriculum development, the development of policy and protocol, outcome analysis and quality assurance initiatives. Also a national conference speaker, he is a gifted ambassador of community paramedicine. Dr. Wilcox offers to serve in a contract medical director capacity for clients launching their own community paramedic programs.

### **Adam Wojciehowski**

Adam has an eclectic background in safety, security, emergency management, EMS and hazardous materials. For over 15 years he was a law enforcement officer. In addition, he has over 20 years as an active EMS clinician & 10 years as an Emergency Manager. With his energetic & humorous personality, his presentations are sure to have you asking for more.

### **Brad Zinniel**

Brad began in EMS in 1991 as a volunteer EMT for Sleepy Eye. In 1995, he became a paramedic and worked for North Memorial for 22 years, and is currently a paramedic for Ridgeview Medical Center. Brad is currently serving as the medical team leader for South Central Drug Investigation Unit. He has owned and operated Medical & Safety Resources, and providing EMS education for over 25 years.







# ARROWHEAD EMS CONFERENCE 2020 NCCP COURSE DETAIL

PRE-CONFERENCE SESSIONS	NCCP HOURS	CATEGORY	SUB-CATEGORY
CRITICAL CARE CERTIFICATION (CCP-C) REVIEW	16	NCCR: MEDICAL NCCR: CARDIOLOGY	ALL
EMT REFRESHER	20	ALL	ALL
PEDIATRIC EDUCATION FOR PRE-HOSPITAL PROFESSIONALS	16	NCCR: OPERATIONS /MEDICAL/ CARDIOVASCULAR	SPECIAL HC NEEDS, OB EMERGENCIES, AT RISK POPULATIONS, PEDIATRIC TRANSPORT, PEDIATRIC CARDIAC ARREST
WORKPLACE VIOLENCE: ORGANIZATIONAL CRISIS RESPONSE, A TOOLKIT FOR SURVIVAL, AND POST TRAUMATIC RECOVERY	8	NCCR: OPERATIONS	AMBULANCE SAFETY, EMS CULTURE OF SAFETY, EMS RESEARCH, EVIDENCE BASED GUIDELINES
12 LEAD EKG	4	LCCR	
SPECIAL POPULATIONS SIMULATION TRAINING: BEAT THE REAPER SIM CHALLENGE	4	NCCR: OPERATIONS	AT RISK POPULATIONS
COMMUNICATIONS GPS - AVOIDING ONE WAY CONVERSATIONS	8	NCCR: OPERATIONS	CREW RESOURCE MANAGEMENT
RAILROAD EMERGENCY RESPONSE AND HAZARDOUS MATERIALS AWARENESS	4	NCCR: OPERATIONS	AMBULANCE SAFETY, EMS CULTURE OF SAFETY
PEDIATRIC TRAUMA SIMULATION TRAINING: BEAT THE REAPER SIM TRAINING	4	NCCR: OPERATIONS	PEDIATRIC TRANSPORT
RURAL SERVICE TRAINING OFFICER TOOLKIT	4	NCCR: OPERATIONS	EMS RESEARCH, EVIDENCE BASED GUIDELINES
ADULT MEDICAL & TRAUMA SIM TRAINING: BEAT THE REAPER SIM CHALLENGE	4	NCCR: MEDICAL/ TRAUMA/ OPERATIONS	SCENARIO DEPENDANT

GENERAL SESSIONS	NCCP HOURS	CATEGORY	SUB-CATEGORY
<b>KEYNOTE SESSION 1</b>			
TAKING CARE OF OUR OWN	1.5	NCCR: OPERATIONS	CULTURE OF SAFETY, EMS RESEARCH, EVIDENCE BASED GUIDELINES
<b>BREAKOUT SESSION 1</b>			
BEDROOMS, BATHTUBS AND BROOMSTICKS: THINGS THEY DIDN'T WARN ME ABOUT IN SCHOOLS	1.25	NCCR: MEDICAL	SPECIAL HC NEEDS
TAKING CARE OF OUR OWN BREAKOUT SESSION	1.25	NCCR: OPERATIONS	CULTURE OF SAFETY, EMS RESEARCH, EVIDENCE BASED GUIDELINES
UNDERSTANDING CONCUSSION / MILD TRAUMATIC BRAIN INJURY	1.25	NCCR: TRAUMA	CENTRAL NERVOUS SYSTEM (CNS) INJURY
YOU CAN'T SPELL STEMI WITHOUT EMS	1.25	NCCR: OPERATIONS	EMS RESEARCH, EVIDENCE BASED GUIDELINES
IDENTIFY, ISOLATE, AND INFORM PROCESS FOR A PATIENT WITH A HIGH CONSEQUENCE INFECTIOUS DISEASE	1.25	NCCR: OPERATIONS	EMS PROVIDER HYGIENE, SAFETY AND VACCINATIONS, EMS CULTURE OF SAFETY
<b>BREAKOUT SESSION 2</b>			
HOW DO I GET TO BOWMAN'S CAPSULE	1.25	NCCR: OPERATIONS	ENDOCRINE, SPECIAL HC NEEDS
THEY'RE COVERED IN WHAT?	1.25	NCCR: OPERATIONS	EMS PROVIDER HYGIENE, SAFETY AND VACCINATIONS, EMS CULTURE OF SAFETY, AMBULANCE SAFETY
ASK A TOXICOLOGIST	1.25	NCCR: MEDICAL	TOXICOLOGICAL
SAFETY IS THE TREATMENT	1.25	NCCR: OPERATIONS	CULTURE OF SAFETY, EMS RESEARCH, EVIDENCE BASED GUIDELINES
CAN'T WE ALL GET ALONG	1.25	LCCR	
<b>BREAKOUT SESSION 3</b>			
FUTURE TRENDS IN EMS	1.25	NCCR: OPERATIONS	EMS RESEARCH, EVIDENCE BASED GUIDELINES
26 APRIL 2018 EMERGENCY RESPONSE TO THE HUSKY REFINERY FIRE	1.25	NCCR: OPERATIONS	CREW RESOURCE MANAGEMENT
NAME THAT TOXIDROME	1.25	NCCR: <EDICAL	TOXICOLOGICAL
DRIVE TO SURVIVE	1.25	NCCR: OPERATIONS	AMBULANCE SAFETY, EMS CULTURE OF SAFETY
LEADERSHIP, EMS CULTURE AND ITS IMPACT ON THE PROVIDER	1.25	NCCR: OPERATIONS	CULTURE OF SAFETY
THINGS JUST GOT REAL	1.25	NCCR: OPERATIONS	AMBULANCE SAFETY, CREW RESOURCE MANAGEMENT
LEGISLATIVE FORUM	1	LCCR	



# ARROWHEAD EMS CONFERENCE 2020 NCCP COURSE DETAIL

GENERAL SESSIONS	NCCP HOURS	CATEGORY	SUB-CATEGORY
<b>KEYNOTE SESSION 2</b>			
THE CRITICAL ROLE OF EMS IN OUR NATIONS RESILIENCE	1.5	NCCR: OPERATIONS	FIELD TRIAGE - DISASTERS, MCI
<b>BREAKOUT SESSION 4</b>			
PEDIATRIC BURN INJURIES	1.25	NCCR: OPERATIONS	AT RISK POPULATIONS
DEATH AND INJURY BY THINGS ON THE FARM	1.25	NCCR: MEDICAL	TOXICOLOGICAL
SURVIVING THE PERFECT STORM	1.25	NCCR: OPERATIONS/ TRAUMA	TRAUMA TRIAGE, FIELD TRIAGE - DISASTERS/MCI
IN THE HOT ZONE: WORKING WHEN EXPLOSION IS IMMINENT	1.25	NCCR: OPERATIONS	FIELD TRIAGE - DISASTERS, MCI
<b>BREAKOUT SESSION 5</b>			
THE PAIN OF OVERDOSE	1.25	NCCR: MEDICAL	TOXICOLOGICAL
RECREATIONAL TRAUMA, ATV ACCIDENTS	1.25	LCCR	
BLS UNDERSTANDING THE TRIANGLE OF DEATH: HYPOTHERMIA, ACIDOSIS, COAGULOPATHY	1.25	NCCR: MEDICAL	SPECIAL HC NEEDS
JUST BECAUSE I CAN DOES NOT MEAN I SHOULD	1.25	NCCR: MEDICAL	TOXICOLOGICAL
WHAT DO YOU MEAN YOUR CLINIC DOESN'T HAVE A CRASH CART	1.25	LCCR	
<b>BREAKOUT SESSION 6</b>			
THE TOXICOLOGY OF SHINY, GLOWY, SLIMY, BANGY AND FIZZY PRODUCTS	1.25	NCCR: MEDICAL	TOXICOLOGICAL
HARM ON THE FARM	1.25	NCCR: TRAUMA	HEMORRHAGE CONTROL, CNS INJURY
K9 MEDICINE FOR EMS	1.25	NCCR: MEDICAL	SPECIAL HC NEEDS
DON'T FORGET WHAT HAPPENED	1.25	NCCR: OPERATIONS	EMS RESEARCH
PAIN PAIN GO AWAY	1.25	NCCR: MEDICAL	SPECIAL HC NEEDS, PAIN MANAGEMENT
<b>KEYNOTE SESSION 3</b>			
TBA	1.5		
<b>BREAKOUT SESSION 7</b>			
ANATOMY OF A HEART ATTACK	1.25	NCCR: MEDICAL	SPECIAL HC NEEDS
SHOOT IT, SNORT IT, SMOKE IT... DRUGS THAT IMPAIR	1.25	NCCR: MEDICAL	TOXICOLOGICAL
MANAGE YOUR MIND: MINDFULNESS PRACTICES	1.25	LCCR	CULTURE OF SAFETY, EMS RESEARCH, EVIDENCE BASED GUIDELINES
INTERACTIVE CASE STUDIES: ALTERED MENTAL STATUS	1.25	NCCR: MEDICAL	SPECIAL HC NEEDS
HANDS ON APPROACH TO TRAUMA CARE	8	NCCR: TRAUMA/ OPERATIONS	TRAUMA TRIAGE, FIELD TRIAGE - DISASTERS/MCI
<b>BREAKOUT SESSION 8</b>			
TO BACKBOARD OR NOT BACKBOARD	1.25	NCCR: OPERATIONS	EMS RESEARCH, EVIDENCE BASED GUIDELINES
EXCITED DELIRIUM	1.25	NCCR: MEDICAL	TOXICOLOGICAL, SPECIAL HC NEEDS
AUTISM AND EMERGENCY RESPONSE	1.25	NCCR: MEDICAL/ OPERATIONS	SPECIAL HC NEEDS, AT RISK POPULATIONS
SHINING LIGHT ON FEELING RIGHT	1.25	NCCR: MEDICAL	TOXICOLOGICAL, SPECIAL HC NEEDS
<b>BREAKOUT SESSION 9</b>			
OH CRAP! IM ALONE! NOW WHAT?	1.25	NCCR: OPERATIONS	ALL
EMS AND PUBLIC HEALTH'S ROLE IN HEALTHCARE EVACUATIONS	1.25	NCCR: OPERATIONS	EMS RESEARCH
PEDIATRIC TRAUMA CASE STUDIES	1.25	NCCR: OPERATIONS	AT RISK POPULATIONS
INTERACTIVE CASE STUDIES: REAL PATIENTS IN UNUSUAL SITUATIONS	1.25	NCCR: MEDICAL	SPECIAL HC NEEDS

# CLAIMING NCCP OR POST CREDITS?

## WHAT YOU NEED TO DO

- At the completion of each session, please take your class sticker from the room monitors.
- Before your expiration date, complete a Renewal application specific to your level of certification in the National Registry of Emergency Medical Technicians.
- When completing your application, please select NCCP as your renewal method and follow the instructions on the application to enter the remaining LCCR and ICCR hours

Content has been selected with the intent of meeting the individual continuing education needs of the conference participants at many different certification types and levels. Participants are responsible for maintaining all documentation for education obtained and ensuring content is appropriate for their specific and unique continuing education requirements.

## QUESTIONS?

Contact the Arrowhead EMS Association with any questions or for clarifications:

Caitlin Korpi, EMS Coordinator

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[caitlin.korpi@arrowheadems.com](mailto:caitlin.korpi@arrowheadems.com)



# 2020 Arrowhead EMS Conference & Expo • Duluth, MN Certificate of Attendance • January 22–26, 2020

Attendee's Name \_\_\_\_\_

Wednesday and Thursday January 22 and 23, 2020	Friday January 24, 2020	Saturday January 25, 2020	Sunday January 26, 2020
Pre-Conference Sticker Here	Keynote Session Sticker Here	Keynote Session Sticker Here	Breakout Session 7 Sticker Here
Pre-Conference Sticker Here	Breakout Session 1 Sticker Here	Breakout Session 4 Sticker Here	Breakout Session 8 Sticker Here
Pre-Conference Sticker Here	Breakout Session 2 Sticker Here	Breakout Session 5 Sticker Here	Breakout Session 9 Sticker Here
Pre-Conference Sticker Here	Breakout Session 3 Sticker Here	Breakout Session 6 Sticker Here	 <b>Adam Shadiow, Executive Director</b> <b>Arrowhead EMS Association</b>
Pre-Conference Sticker Here	Legislative Forum Sticker Here	Keynote Session Sticker Here	

Minnesota Board of Peace Officer Standards and Training  
(POST) # \_\_\_\_\_

**NCCP Accreditation Information**  
For more information or questions about NCCP  
accreditation contact the Arrowhead EMS Association.

Caitlin Korpi, EMS Coordinator  
Caitlin.korpi@arrowheadems.com  
(218)780-9906

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