Iowa’s 2022 Trauma & Preparedness Conference

Pre-conference Day: Thursday, September 8, 2022
Conference Day: Friday, September 9, 2022

The Meadows Events & Conference Center at Prairie Meadows
1 Prairie Meadows Dr, Altoona, Iowa, 833-547-0899
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The Iowa Department of Public Health (IDPH) Bureau of Emergency Medical and Trauma Services, and the Bureau of Emergency Preparedness and Response, along with the American College of Surgeons – Committee on Trauma, Iowa Chapter, are hosting Iowa’s 2022 Trauma and Preparedness Conference.

The Conference consists of a pre-conference training day on Thursday, September 8, 2022, with opportunities for professional development and hands-on skills training. The Conference Day on Friday, September 9, 2022, focuses on clinical aspects of trauma care and emergency preparedness for hospitals and public health. The conference day is organized into five training tracks with the following focus areas: EMS, nursing, physicians, hospital preparedness, and public health preparedness. Participants may engage in any of the trainings provided in the various tracks.

Intended Audience
The intended audience for the conference includes physicians, advanced care practitioners, nurses, emergency medical services personnel, and public health and hospital emergency preparedness professionals.

Conference Dates
Iowa’s 2022 Trauma Pre-conference Day:
Thursday, September 8, 2022
Iowa’s 2022 Trauma Conference Day:
Friday, September 9, 2022

Venue
The Meadows Events & Conference Center at Prairie Meadows in Altoona, Iowa, which is just minutes away from downtown Des Moines at Interstate 80 exit 142 in Altoona. Free parking is available onsite.

Conference Mission
Provide opportunities for collaboration and education of multidisciplinary partners to ensure the optimal care of trauma patients resulting from isolated and mass casualty incidents.

Conference Scope
• Provide trauma education to enhance the knowledge of the trauma system’s workforce
• Develop strength within each system discipline and increase collaboration between system partners for a coordinated response to trauma-inducing incidents
• Increase knowledge within the emergency preparedness community to support coordination of emergency response to mass casualty incidents

Lodging
Prairie Meadows Hotel is connected to The Meadows Events & Conference Center. A group block has been reserved at the hotel and is good from September 7-9, 2022. The special room rate of $128/night +tax will be available until Saturday, August 6, 2022, or until the group block is sold out, whichever comes first. Rooms can be booked by calling the hotel directly at (515) 957-3000.

Dining
Prairie Meadows offers a variety of on-site dining options: AJ’s Steakhouse, Café at the Meadows, The Paddock Grill & Deli, Prairie Coffee Company, and Quick Bites.

Registration
Pre-Conference Training Day
Registration fees for the pre-conference training day on Thursday, September 8, 2022, are charged by course. A boxed lunch will be provided for participants registered in the Rural TOPIC and ATLS Refresher courses during the pre-conference training day. All other participants may elect to order a boxed lunch for an additional fee.

Thursday, September 8, 2022 Pre-Conference Session Options:
• Advanced Burn Life Support (ABLS) - $265 with a maximum of 15 participants
• SIM - Hands-on Trauma Skills Training with high fidelity mannequins - $20
• Advanced Trauma Life Support (ATLS) 10th edition refresher - $500 includes boxed lunch with a maximum of 16 participants
• EMS Medical Director & Service Director Training Refresher - $20
• Radiation Planning Workshop for Emergency Preparedness - $20
• Rural Trauma Outcomes & Performance Improvement Course (TOPIC) - $325 includes boxed lunch with a maximum of 40 participants. Registration costs for the first 25 participants will be $125 (price will automatically adjust at checkout)
• High Risk Refusals & EMS Provider Wellness Workshop - $20
Iowa’s 2019 Trauma Conference

- Region 7 Regional Disaster Health Response Ecosystem (RDHRE) Planning Workshop - $20
- Boxed Lunch (choose ham, turkey, or vegetarian) for Thursday, September 8, 2022 - $25
- American College of Surgeons Committee on Trauma, Iowa Chapter Resident Paper Competition – FREE

Friday, September 9, 2022 Conference Session Options:
Registration fee for all attendees - $75
Late Registration (After August 6, 2022) - $100
Register online at https://www.regcytes.extension.iastate.edu/trauma/register/ and click on the “Register Now” tab.

Exhibitor Registration
Exhibitors will be located in the Bishop Pre Function concourse of the conference center. Each vendor area will include one 8’ skirted table, two chairs, and a waste basket. Wireless internet and power will also be available. Each vendor booth comes with one complimentary conference registration which includes refreshments and lunch on Friday, September 9th, but beverages only on Thursday, September 8th. The For-profit exhibitor fee is $500 per booth. The non-profit/Government exhibitor fee is $250 per booth. Vendors may display on both September 8th and 9th. Additional exhibitor personnel can register for $75. Additional exhibitor information: https://www.regcytes.extension.iastate.edu/trauma/exhibitors/

Cancellation Policy
If you can no longer attend the conference, you may request a refund of your registration fee. If you cancel prior to August 15, 2022, your registration costs will be refunded less a $20 processing fee. If you cancel after August 15, 2022, you will not be guaranteed any refund, therefore after August 15, 2022 we recommend finding a substitute to attend in your place. Substitutions may be made through August 30, 2022. You must contact registrations@iastate.edu for any cancellations or substitution requests.

Continuing Education
Continuing Medical Education (CME) provided through the University of Iowa Carver College of Medicine, except ATLS and ABLs pre-conference training. Nursing Continuing Education (CE) provided through the Iowa Hospital Association, except Rural TOPIC pre-conference training. Emergency Medical Services Continuing Education Units (CEU) provided through the Iowa Department of Public Health Bureau of Emergency Medical and Trauma Services. All continuing education is contingent upon the completion of each respective discipline’s requirements including registrant information, course completion, and submission of evaluations.

Physician CME
Advanced Burn Life Support
CME ACCREDITATION: The American Burn Association is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.
CREDIT DESIGNATION: The American Burn Association designates this educational activity for 5.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
CLAIMING CREDIT: Completion of the course at the conference.

Advanced Trauma Life Support Refresher
CME ACCREDITATION: The American College of Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
CREDIT DESIGNATION: The American College of Surgeons designates this live activity for a maximum of 5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Of the AMA PRA Category 1 Credits™ listed above, a maximum of 5 credits meet the requirements for Self-Assessment
CLAIMING CREDIT: Completion of the course at the conference.

General Sessions (Credit available where indicated in the agenda)
CME ACCREDITATION: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of Iowa Carver College of Medicine and the Iowa Department of Public Health. The Carver College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.
CREDIT DESIGNATION: The University of Iowa Carver College of Medicine designates this live activity for a maximum of 13.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CLAIMING CREDIT: Attendees seeking an AMA PRA Category 1 Credit™ certificate will self-claim their hours of participation within the online post-conference evaluation; attendees will receive a link to the evaluation via e-mail.

DISCLOSURE POLICY: Everyone in a position to control the content of this educational activity will disclose to the CME provider and to attendees all relevant financial relationships with any commercial interest. Conference planners disclosed no relevant financial relationships.

Nursing CE
Up to 7.0 Nursing Contact Hours will be awarded for September 8th and up to 6.0 Nursing Contact Hours will be awarded on September 9th for this conference by IHA Iowa Board of Nursing provider #4. Iowa Nursing Contact Hours will not be issued unless your Iowa license number is provided on the certificate completed the day of the conference. All attendees must attend the conference in full, no partial credit will be awarded except in the case of an extreme emergency.

APPROVED NURSING CE PRE-CONFERENCE TRAINING SESSIONS:
• Rural Trauma Outcomes and Performance Improvement Course (TOPIC) – 6.5 contact hours
• SIM Training – 1.0 contact hour
• EMS Medical and Service Director Training – 3.0 contact hours
• Radiation Planning Workshop for Emergency Preparedness – 3.0 contact hours
• EMS Special Topics – 1.0 contact hour
• RDHRS Concept: Regional Work in Burn & Trauma Preparedness – 3.0 contact hours

APPROVED NURSING CE CONFERENCE SESSIONS:
• Transformational Leadership in Trauma Care: Improving Outcomes – 1.0 contact hour
• Radiation and Nursing Care – 1.0 contact hour
• Pediatric Disaster Drills that Include Children – 1.0 contact hour
• Caring for New Iowans: An Introduction to Refugee Health and Cultural Considerations – 1.0 contact hour

Emergency Medical Services CEH
Continuing education hours have been assigned to each session. Reference the session descriptions section of this brochure to identify number and type of EMS continuing education hours assigned to each session.

Website
A conference website has been established at https://www.regcytes.extension.iastate.edu/trauma/. All information associated with this conference is posted at that site, as well as speaker biographies.

Social Media
Follow and share information about Iowa’s 2022 Trauma and Preparedness Conference at #IATrauma22.
### Pre-Conference Training Day: Thursday, September 8, 2022

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**NOTE:** There are different fees for each Pre-Conference Training day session. See the registration section of the brochure for details. Box lunches may be ordered for an additional fee. The ABLS course is limited to 15 participants. The ATLS course is limited to 16 participants and includes a box lunch. The Rural TOPIC course is limited to 40 participants and includes a box lunch.
The sessions provide participants with multidisciplinary approach for managing trauma patients as a system. Discipline specific tracks are available for nursing, EMS, physicians, hospital preparedness, and public health emergency preparedness.
Thursday, September 8, 2022

**Advanced Burn Life Support (ABLS)**

**Presenter:** University of Iowa Hospitals and Clinics  
**Session Time:** 7:30am – 4:00pm  
**Course Description and Objectives:** Advanced Burn Life Support (ABLS) is designed to provide first responders, nurses, nurse practitioners, physician assistants and physicians with the ability to assess and stabilize patients with burn injuries during the first critical hours post-injury. ABLS programs support emergency preparedness needs for disaster management. The course involves a didactic portion followed by case scenarios, practical assessment and testing, followed by a written exam.

- Evaluate a patient with a serious burn injury  
- Define the magnitude and severity of the burn injury  
- Manage the airway and support ventilation

**Continuing Education:**

American Burn Association is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission (ANCC) on Accreditation. The ABA designates this continuing education activity for 5.0 continuing education credit hours. The American Burn Association is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The American Burn Association designates this educational activity for 5.0 AMA PRA Category 1 Credit(s). Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Advanced Trauma Life Support (ATLS)**

**Refresher - 10th Edition**

**Presenter:** University of Iowa Hospitals and Clinics  
**Session Time:** 10:30am – 4:00pm  
**Course Description and Objectives:** The ATLS Refresher Course is designed to provide doctors and other qualified health care professionals the opportunity to maintain current provider status. This program provides systemic and concise training for the early care of trauma patients. The ATLS program provides participants with a safe, reliable method for immediate management of the injured patient and the basic knowledge necessary to:

- Assess the patient’s condition rapidly and accurately  
- Resuscitate and stabilize the patient according to priority  
- Determine if the patient’s needs exceed a facility’s capacity  
- Arrange appropriately for the patient’s inter-hospital transfer (who, what, when, and how)

- Assure that optimum care is provided and that the level of care does not deteriorate at any point during the evaluation, resuscitation, or transfer process

**Continuing Education:**

The American College of Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The American College of Surgeons designates this live activity for a maximum of 5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Of the AMA PRA Category 1 Credits™ listed above, a maximum of 5 credits meet the requirements for Self-Assessment

**EMS Medical and Service Director Training Refresher**

**Presenters:** Dr. Azeemuddin Ahmed and Gary Merrill, IDPH – Bureau of Emergency Medical & Trauma Services  
**Session Time:** 9:00am – 12:00pm  
**Disclosures:** Speakers have no relevant relationships to disclose.

**Course Description and Objectives:** This training supplies EMS Medical Directors and Service Directors an interactive format to assist the medical director and service director in providing administrative oversight to maintain authorization as an Iowa EMS program. This is a refresher session, designed for more experienced leadership.

- Describe the roles and responsibilities of the Iowa Department of Public Health regarding EMS  
- Examine the roles, responsibilities, and duties of the Medical Director and Service Director of an Iowa authorized EMS program as defined in Iowa Code Chapter 147A and Iowa Administrative Code (IAC) Section 641 Chapters 132  
- List the resources available to assist the EMS physician Medical Director and Service Director with managing/oversight of their respective system to maintain authorization  
- Review the AMANDA Registry System  
- Apply knowledge and information to given scenarios
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**Radiation Planning Workshop for Emergency Preparedness**

**Presenter:** Angela Leek, Iowa Department of Public Health  
**Session Time:** 9:00am – 12:00pm  
**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description and Objectives:** This workshop will provide an overview of radiation incident characteristics and response priorities to aid emergency and medical response professionals in planning for patient care and management during a radiation incident. Important radiation response references and resources will be shared to facilitate communication with and inclusion of these assets in response plans to ensure strong coordination and a common operating picture across all jurisdictions throughout the response.

- Describe the characteristics of radiation incident types
- List the key response priorities for each radiation incident type
- Examine critical references and resources to support situational awareness and risk/dose assessment to support planning and response efforts

**Simulation Training - Hands on Trauma Skills Training**

**Presenter:** Brian Rechkemmer, University of Iowa  
**College of Nursing – SIM-Iowa**  
**Hourly Sessions Occurring:** 8:00am – 12:00pm; 1:00pm – 4:00pm  
**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description and Objectives:** Medical simulation allows the acquisition of clinical skills through deliberate practice rather than an apprentice style of learning. Simulation tools serve as an alternative to real patients. A trainee can make mistakes and learn from them without the fear of harming the patient during a simulated encounter.

- Describe the pathophysiology of a tension pneumothorax
- Summarize the treatment options for pneumothorax
- Describe the types of pediatric injuries sustained with a given mode of trauma
- Identify the most common injuries occurring in various age groupings
- Outline the secondary survey, and identify controversies in pediatric shock trauma

**Rural Trauma Outcomes and Performance Improvement Course (TOPIC)**

**Presenter:** Society of Trauma Nurses: Joann Burrington and Sarah Mattocks  
**Session Time:** 9:00am – 4:00pm  
**Course Description and Objectives:** The Society of Trauma Nurses offers the Rural Trauma Outcomes and Performance Improvement Course (TOPIC) to provide education and a better understanding of the Performance Improvement process in trauma care to Level 4 and Level 3 (those in small communities or low trauma volume) trauma centers. The course includes a box lunch and is limited to 40 participants.
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- Discuss the significance and components of the trauma PIPS plan
- Describe an effective Trauma PIPS program
- Explain trauma committee structure and the roles and responsibilities of team members
- Describe three methods of measuring trauma center performance outcomes
- Evaluate effectiveness, validity, and reliability of data collection processes
- Explain the function and process of peer review in the PIPS plan
- Develop an action plan as part of the trauma PIPS program
- Review the process, methods and report for event resolution

Continuing Education:
Nursing CE: 6.5 contact hours

EMS Special Topics 3 hour Workshop

Topic: Working the Crowd: Mass Gathering Medicine
Presenter: Dr. Azeemuddin Ahmed, IDPH - Bureau of Emergency Medical & Trauma Services
Session Time: 1:00pm – 2:00pm
Disclosures: Speaker has no relevant relationships to disclose.

Course Description and Objectives: The presentation will provide a comprehensive overview to the many aspects of mass gathering medicine to empower the learner to plan their next event with skill and confidence.
- Describe the overall steps in planning medical coverage for a mass gathering event.
- Explain the importance of pre-planning and working with the event sponsor as well as multiple agencies to coordinate medical coverage.
- Discuss the importance of the incident command system as well leveraging the correct EMS provider for the correct EMS situation.

Continuing Education:
Physician CME: The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
EMS CEH: 1.0 CEH – Operations
Nursing CE: 1.0

Topic: High Risk Refusals
Presenter: Peter Georgakakos, University of Iowa Hospitals & Clinics; Johnson County Ambulance Service
Session Time: 2:00pm – 3:00pm
Disclosures: Speaker has no relevant relationships to disclose.

Course Description and Objectives: This presentation will review concepts related to capacity versus competence, capacity assessment, informed decision making and documentation and legal concerns. Lecturer will go through high risk populations and discuss capacity considerations in each and offer suggestions related to designing refusals protocols for certain scenarios.
- Describe competence versus capacity and how to assess for capacity.
- Review concepts of informed decision-making, documentation and legal concerns.
- Examine high risk populations

Continuing Education:
Physician CME: The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
EMS CEH: 1.0 CEH – Operations
Nursing CE: 1.0

Topic: EMS Provider Wellness
Presenter: Peter Georgakakos, University of Iowa Hospitals & Clinics; Johnson County Ambulance Service
Session Time: 3:00pm – 4:00pm
Disclosures: Speaker has no relevant relationships to disclose.

Course Description and Objectives: This lecture will discuss epidemiology of wellness in civil service yet the distinct absence of standardized recommendations for EMS providers. Lecturer will underscore the effects of fatigue on provider wellness and agency functionality and the effects of COVID. Lecturer will provide recommendations for agencies to deal with perceived barriers to promoting wellness.
- Review epidemiologic statistics related to wellness in EMS compared to other civil services
- Discuss barriers to wellness initiatives
- Discuss the effects of provider fatigue on agency functionality
- Discuss the effects of COVID on provider wellness
Thursday, September 8, 2022

**RDHRS Concept: Regional Work in Burn and Trauma Preparedness**

**Presenter:** Kevin Kemp, MD and Judy Placek, APRN, Nebraska Medicine  
**Session Time:** 1:00pm – 4:00pm  
**Disclosures:** Speakers have no relevant relationships to disclose.  
**Course Description and Objectives:** A discussion surrounding Regional Disaster Health Response Ecosystem (RDHRE) and how it plays a role in disaster preparedness at the trauma and burn level. These experts will discuss the regional burn optimization along with continued development of regional approach to trauma care during a disaster.  
- Describe the role of the RDHRE in the context of preparedness  
- Discuss the regional concepts and approaches to enhancing burn care and response  
- Examine how to build regional capacity and developing the next steps in building a regional trauma capacity

**American College of Surgeons Committee on Trauma, Iowa Chapter: Resident Paper Competition**

**Session Time:** 4:00pm – 5:00pm  
**Description:** General surgery residents, surgical specialty residents, and trauma fellows in Iowa that have submitted abstracts for the 2022 Residents Trauma Papers Competition will present their research. Winners of this paper competition at the State level will compete at the Region VII 44th Annual Committee on Trauma Advances in Trauma Conference in Kansas City on December 7, 2022.
Friday, September 9, 2022

**Keynote Opening Session:**

**Transformational Leadership in Trauma Care: Improving Outcomes**

**Presenter:** Dr. Stephen Barnes, University of Missouri Department of Surgery  
**General Session Time:** 8:00am – 9:00am  
**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description and Objectives:** Transformational leadership is a necessary component of any high functioning organization. Organizations which experience rapid rates of change such as healthcare seek out transformational leaders at all levels to promote growth and success. We will explore the transformations in injury care related to 15 years of combat operations, my own experiences with a regional trauma center in rural Missouri and explore opportunities for transformational change in Iowa trauma care.

- Describe the definition of transformational leadership in healthcare  
- Examine how evidence based transformational leadership improves outcomes following injury  
- Describe why without transformation high acuity organizations fail

**Continuing Education:**  
**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.  
**Nursing CE:** 1.0

**First Round of Concurrent Breakout Sessions:**

**[EMS Track] CNS Injury**

**Presenter:** Dr. Richard Sidwell, Trauma Surgery, Iowa Methodist Medical Center  
**Breakout Session Time:** 9:20am – 10:20am  
**Course Description and Objectives:** This session will focus on the prehospital assessment and management of CNS (head, spinal column) injury.

- Identify recognition of CNS injury  
- Describe prevention of secondary injury  
- Examine pitfalls with prehospital management of CNS injury

**Continuing Education:**  
**EMS CEH:** 1.0 CEH - Trauma

**[Nursing Track] Radiation and Nursing Care**

**Presenter:** Angela Leek, IDPH  
**Breakout Session Time:** 9:20am – 10:20am  
**Course Description:** This presentation will outline the fundamentals of radiation dose and risk as it relates to patient care during a radiation incident. The goal is to provide nursing staff with a basic understanding of the screening, decontamination, and treatment measures that may be considered for patients with contamination or exposure from radiation. We will also provide information what radiation subject matter resources are available to assist throughout an emergency and how to access them.

- Describe radiation fundamentals of dose and risk specific to patient care in a radiation incident  
- List the types of radiation exposure or contamination may be present in patients presenting at a medical facility and what radiation SME resources are available for assistance  
- Describe basic screening, decontamination, and treatment measures that may be considered for patients with contamination or exposure from radiation

**Continuing Education:**  
**Nursing CE:** 1.0

**[Physician Track] Radiological Considerations for Physicians**

**Presenter:** Steve Sugarman, SummitET  
**Breakout Session Time:** 9:20am – 10:20am  
**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description:** Radiological Considerations for Physicians will address early dose magnitude estimation and its impact on treatment considerations. Reach-back SME support will also be discussed.

- Understand early dose magnitude assessment  
- Understand basic applications of common countermeasures  
- Identify SME reach-back capabilities

**Continuing Education:**  
**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Friday, September 9, 2022

[Hospital Preparedness Track] Pediatric Disaster Drills that Include Children

Presenters: Dr. Carlyn Christensen-Szalanski, University of Iowa Hospitals & Clinics Department of Emergency Medicine, and Kristel Wetjen, University of Iowa Stead Family Children’s Hospital

Breakout Session Time: 9:20am – 10:20am

Disclosures: Speakers have no relevant relationships to disclose.

Course Description: We will share successful examples of disaster drills involving pediatric “victims” from small scale “paper patient” drills to large mass casualty surge exercise incorporating community first responders and volunteer mock pediatric “victims”. We will identify valuable resources for pediatric preparedness and give participants a template to start planning their own disaster drill customized for their own circumstances. Throughout the session, we will encourage attendee to share their challenges, successes, and questions about pediatric preparedness to enrich our discussion.

- Describe important aspects of children to consider in planning disaster drills.
- Describe simple and inexpensive ways to produce a disaster drill.
- Apply hands-on opportunity to start planning their own disaster drill to involve children and their community.

Continuing Education:
Physician CME: The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Nursing CE: 1.0

[Public Health Preparedness Track] Caring for New Iowans: An Introduction to Refugee Health and Cultural Considerations

Presenters: Jill Schacherer, IDPH, and Nola Aigner Davis, Polk County Health Department

Breakout Session Time: 9:20am – 10:20am

Disclosures: Speakers have no relevant relationships to disclose.

Course Description: This presentation will provide an introduction to refugee health in Iowa including an overview of the refugee resettlement process, the overseas and domestic medical exams, and refugee populations in Iowa.

The presenters will discuss the potential health needs of newly arrived refugees and key cultural considerations for working with refugee communities in Iowa, including newly arrived Afghans from Operation Allies Welcome and Ukrainians arriving through the Uniting for Ukraine program.

- Compare the overseas medical examination and the domestic initial refugee health assessment.
- Identify potential health needs of newly arrived refugee populations.
- Describe key cultural considerations for the refugee communities in Iowa.

Continuing Education:
Physician CME: The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Nursing CE: 1.0

[EMS Track] Pre-hospital Radiation Response

Presenter: Steve Sugarman, SummitET

Breakout Session Time: 10:40am – 11:40am

Course Description: Pre-hospital radiation response will address basic risk considerations and patient handling when responding to a radiological incident.

- Understand basic rad safety concepts
- Understand decontamination concepts
- Understand rad/contamination hazards/effects as it pertains to EMS response

Continuing Education:
EMS CEH: 1.0 CEU - Trauma
Friday, September 9, 2022

[Nursing Track] Nursing Care of Spinal Cord Injuries from Resuscitation to Rehab
Presenter: Karen Stenger, University of Iowa Hospitals & Clinics
Breakout Session Time: 10:40am – 11:40am
Course Description: This session will discuss the anatomy of the spinal cord and key components of a complete spinal cord assessment as well as the care of the patient needed to prevent complications. The session will conclude with the importance of providing hope and knowledge to the patient and their family.
  • Describe the correlative anatomy of the spinal cord and associated assessment findings.
  • Describe key components to acute management of the patient with an injury to the spinal cord.
  • List four common complications of a spinal cord injury and associated prevention strategies

Continuing Education:
Nursing CE: 1.0

[Physician Track] ACS TQIP Spine Care Guidelines
Presenter: Dr. Joseph Sherrill, The Iowa Clinic Neurological and Spinal Surgery
Breakout Session Time: 10:40am – 11:40am
Disclosures: Speaker has no relevant relationships to disclose.
Course Description: This session will review the general concepts regarding spine care of the injured. The session will outline the guidelines as outlined by the American College of Surgeons/TQUIP recommendations and some of their rationale.
  • Determine the first priority in the care of the suspected spine injury patient.
  • Identify the most important vital sign to be cognizant of in the spine injured patient.
  • Explain what radiographic/physiologic condition must be taken into account before mobilization attempts are made in the elderly patient.

Continuing Education:
Physician CME: The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Nursing CE: 1.0

[Hospital Preparedness Track] Madison County Resilience: March 5th EF4 Tornado
Presenter: Diogenes Ayala, Madison County Emergency Management & Homeland Security Agency
Breakout Session Time: 10:40am – 11:40am
Disclosures: Speaker has no relevant relationships to disclose.
Course Description: On March 5th 2022, Madison County was impacted by an EF4 tornado which caused loss of lives, homes and infrastructure. This presentation will discuss preparedness before the tornado, response of first responders, volunteer management and community recovery.
  • List the best practices from the tornado
  • Explain the relevance of the tornado information
  • Describe specific information that can be used for recovery

Continuing Education:
Physician CME: The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Nursing CE: 1.0

[Public Health Preparedness Track] Sexual Violence Prevention & Disaster Preparedness
Presenter: Monica Goedken, IDPH
Breakout Session Time: 10:40am – 11:40am
Disclosures: Speaker has no relevant relationships to disclose.
Course Description: Disasters are destabilizing. Data shows disasters increase risk factors for being exposed to sexual violence. We will review data and share resources from the National Sexual Violence Resource Center. Participants will leave with the ability to incorporate sexual violence prevention into their disaster preparedness plans.
  • Identify one contributing factor to sexual violence in disasters
  • Define survivor - centered and community - centered healing & recovery
  • Explain two strategies for sustainable prevention
Friday, September 9, 2022

**Third Round of Breakout Sessions:**

**[EMS/Nursing/Physician Tracks] Agriculture Related Emergency**

**Presenter:** Dr. James Hart, Mid America Emergency Physicians

**Breakout Session Time:** 12:50pm – 1:50pm

**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description:** Working in primary production agriculture exposes individuals to a multitude of potential traumatic and medical emergencies unique to this field. This presentation will review the types of hazards and injury patterns related to production agriculture and will highlight prehospital and hospital responses to the various types of agriculture related emergencies.

- Identify mechanical hazards associated with agriculture
- Identify infectious hazards associated with agriculture
- Identify toxidromes associated with agriculture
- Demonstrate proper documentation and communication of ag emergencies for healthcare providers

**Continuing Education:**

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nursing CE:** 1.0

**[Public Health Preparedness Track] First Responder Wellness and Resiliency**

**Presenter:** Jeremy Sprague, Des Moines Police Department

**Breakout Session Time:** 12:50pm – 1:50pm

**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description:** This training program discusses the psychology of first responders throughout their careers. It discusses how first responders are affected by hypervigilance both short and long-term. The training discusses the peer support concept and how a peer support can be helpful to first responders. The training will discuss stress management techniques and resources for first responders.

- Explain the psychology of the first responder
- Examine how hypervigilance can affect the first responder.
- Discuss the three “R”s of combating stress
- Describe how peer support and employee wellness can benefit individual employees.
- Summarize stress management techniques and resources available.

**Continuing Education:**

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nursing CE:** 1.0
Friday, September 9, 2022

**Continuing Education:**
**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nursing CE:** 1.0

**4th Round of Breakout Sessions:**

**[EMS/Nursing/Physician Tracks] Rural Trauma Case Presentations**

**Presenters:** Dr. Patrick McGonagill, University of Iowa Hospital & Clinics, and Panel Experts

**Breakout Session Time:** 2:10pm – 3:10pm

**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description:** This session will explore cases of trauma patients who presented to rural hospitals and detail care provided at these hospitals and other tertiary care facilities to highlight optimal care for injured patients in our system.

- Describe quality care provided across multiple levels of the trauma system
- Explore optimal treatment resources at different levels of trauma centers
- Demonstrate the benefit of good communication in the care and transfer of trauma patients

**Continuing Education:**
**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1.0 CEH - Trauma

**Nursing CE:** 1.0

**[Hospital Preparedness/Public Health Preparedness Tracks] Radiation Response Network**

**Presenter:** Angela Leek, IDPH

**Breakout Session Time:** 2:10pm – 3:10pm

**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description:** An understanding of the radiation aspects of an incident requires specialized assets and tools to assess the radiation risk and determine appropriate public protections and patient care. This session will outline these radiation specific assets and tools, and offer suggestions for incorporating these into plans to promote a common operating picture and effective response across all jurisdictions.

- Describe the key planning considerations for radiation incident response
- Demonstrate how to incorporate specialized radiation assets and tools into plans to facilitate effective radiation risk assessment and situational awareness
- Describe how to coordinate across jurisdictions to share resources and information to enable a common operating picture

**Continuing Education:**
**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nursing CE:** 1.0

**Keynote Closing Session: The Power to Stand**

**Presenter:** Chris Norton

**General Session Time:** 3:20pm – 4:20pm

**Disclosures:** Speaker has no relevant relationships to disclose.

**Course Description and Objectives:** Chris Norton got knocked down. Hard. After suffering a spinal cord injury playing college football, he lost all feeling and movement from the neck down. Chris was only given a 3% chance to ever move again. He travels across the country to inspire people from all walks of life and focus on our abilities to unlock the POWER TO STAND.

- Be radically responsible
- Overcoming challenges
- Understand that there are other people counting on you

**Continuing Education:**
**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 1.0 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nursing CE:** 1.0
Keynote Speakers

Chris Norton
Chris Norton got knocked down. Hard. He was a college football player. He saw the opening for a tackle, but mistimed his tackle by a split second. Instead of taking down the returner with his shoulder, his head collided with the ball carrier’s legs. And in an instant, lost all feeling and movement from the neck down. Chris was told he would never be able to move again. He could have let it define him. But our lives aren’t shaped by circumstance. They’re shaped by us. Perseverance isn’t about the physical act of standing: it’s about attitude, and the ability to shape yourself in the face of adversity. With the support of his friends, family, faith, and the love of his life, Emily, Chris proved the doctors wrong, and walked the stage at graduation. Most recently, walked Emily 7 yards down the aisle of their wedding. They are foster parents and have adopted 5 girls and a boy. His story has been published twice – first with his father, and now with Emily. Plus, a documentary about his life story, 7 Yards, is now on Netflix. He travels across the country to inspire people from all walks of life, showing them how to unlock the POWER TO STAND.

Dr. Stephen Barnes
An academic trauma surgeon and researcher with significant clinical experience and expertise in the care of the acutely ill and injured, Dr. Barnes has filled leadership roles within the Eastern Association for the Surgery of Trauma, American Association for the Surgery of Trauma and the American College of Surgeons Committee on Trauma with a research funding history through both the Department of Defense and the Coulter Translational Partnership Program. As a board-certified acute care surgeon, he began his career with the United States Air Force, caring for those injured in Iraq and Afghanistan and today serves as the Endowed Chair of the Hugh E Stephenson Department of Surgery and Chief of the Division of Acute Care Surgery, Trauma, Burns and Surgical Critical Care at the University of Missouri’s Frank L. Mitchell Jr Trauma Center.

Transformational leadership is a necessary component of any high functioning organization. Organizations which experience rapid rates of change such as healthcare seek out transformational leaders at all levels to promote growth and success. We will explore the transformations in injury care related to 15 years of combat operations, my own experiences with a regional trauma center in rural Missouri and explore opportunities for transformational change in Iowa trauma care.
Dr. Azeemuddin Ahmed
Azeemuddin Ahmed, MD, MBA is a Clinical Professor of Emergency Medicine and Adjunct Clinical Professor of Management and Entrepreneurship at the University of Iowa. He practices and teaches Emergency Medicine at the University of Iowa Carver College of Medicine and the University of Iowa Hospitals and Clinics. Dr. Ahmed is board certified in Emergency Medicine and sub-specialty board certified in Emergency Medical Services by the American Board of Emergency Medicine. His area of clinical expertise is out of hospital care, and Dr. Ahmed serves as the Division and Fellowship Program Director for Emergency Medical Services in the Department of Emergency Medicine. In the realm of medical direction, he is Medical Director of Kinnick Stadium and Carver Hawkeye Arena as well as the Medical Director for the Bureau of Emergency and Trauma Services, Iowa Department of Public Health. Dr. Ahmed is an active researcher with projects involving health services, pre-hospital care, and continues to publish case reports, book chapters, research abstracts and manuscripts in a variety of academic media. He presents didactic lectures both locally and nationally and is a member of several professional organizations devoted to the advancement of Emergency Medicine care, education and research. He has received numerous teaching awards from his trainees in recognition of his education efforts.

Diogenes Ayala
Diogenes Ayala is currently serving in the role of Emergency Management & Homeland Security Director for Madison County, where he is responsible for planning, protection, mitigation, response & coordination for all hazards that can affect the community. His goal is to build a culture of preparedness for residents and visitors of Madison County. Mr. Ayala has completed numerous operations, exercises, and threat assessments in his role as director. In his prior position as Director of Criminal Justice at Southwestern Community College, Mr. Ayala was responsible for delivering education, training and mentorship for undergraduate students seeking careers in public safety. In March of 2022, Mr. Ayala led recovery operations after a EF4 tornado caused fatalities and damaged properties in Madison County. This operation involved over one thousand volunteers in thirty days. Mr. Ayala, a veteran of the United States Navy, holds an undergraduate and graduate degrees in Criminal Justice from Simpson College in Indianola, Iowa. He is also a graduate of Texas A&M Infrastructure Protection Program. Mr. Ayala has completed Executive Leadership Education from the University of Notre Dame and Hazardous Materials/Weapons of Mass Destruction Operations from the Department of Homeland Security Center of Domestic Preparedness. Mr. Ayala is also a graduate of The Bomb-Making Materials Awareness Program (BMAP) which is a counterterrorism bombing prevention program, sponsored by the Cybersecurity and Infrastructure Security Agency (CISA)’s Office for Bombing Prevention.

Nola Aigner Davis
Nola Aigner Davis is the Public Health Communications Officer for the Polk County Health Department. Aigner Davis graduated from the University of Northern Iowa with a Bachelor of Arts Degree in Public Relations and a Master of Arts Degree in Communication Studies with an emphasis in Organizational Communication. In her role at the Health Department has works to educate the community on important public health messaging and services. She holds leadership roles with Safeguard Iowa Partnership, Refugee Alliance of Central Iowa and Metro Media Council. Her role also has created an opportunity to be an instructor for Iowa Homeland Security and Emergency Management teaching public information classes.

Outside of Aigner Davis’s work at the Health Department, she is an adjunct instructor for Buena Vista University and Mercy College of Health Sciences. Aigner Davis is an active member of Junior League of Des Moines, Dream Catchers Foundation, Inc. and Community Youth Concepts.
Conference Speakers and Facilitators

Dr. Carlyn Christensen-Szalanski
Dr Carlyn enjoys developing disaster exercises. She believes that they are powerful educational tools for increasing preparedness, collaboration, and awareness. With Kristel Wetjen she is founding co-chair of the University of Iowa Hospital and Clinics (UIHC) Pediatric Disaster Preparedness Task Force (2010-present). She is former chair, vice-chair, and current member of the UIHC Emergency Management Work Group (2004-present). Carlyn has helped create and complete more than 30 disaster exercises at UIHC. She completed her medical school training at the University of Washington School of Medicine in Seattle and residency training in Pediatrics at the University of Arizona in Tucson. She served as Chief Resident in the Department of Pediatrics at UIHC. She ran her own pediatric clinic, Adolescent and Pediatric Health Clinic, for 12 years before joining the Department of Emergency Medicine in 2003, where she is now Clinical Professor.

Dr. Peter Georgakakos
Dr. Georgakakos was born in Iowa City, IA but grew up in San Diego, CA. He started his career in EMS in 2004, completed his paramedic training at the University of Iowa’s ESMRLRC, and ultimately his EMS career spanned the country in San Diego, CA, Boston, MA, Ankeny, IA and Des Moines, IA. He completed his medical school training at A.T. Still University KCOM in Kirksville, MO, Emergency Medicine residency and EMS Fellowship at the University of Iowa. He is board certified in Emergency Medicine and EMS, and currently serves on the faculty at the University of Iowa in the Department of Emergency Medicine’s Division of EMS. He is the Medical Director of the ESMRLRC and Johnson County Ambulance Service (including 11 first responder agencies, ALS ambulance service, and emergency communications center). He is a core faculty member of the EMS fellowship at the University of Iowa and the coordinator of the Emergency Medicine resident EMS curriculum. He serves at the state level on the Physician Advisory Board for the EMSAC in the Bureau of Emergency and Trauma Services and at the national level on the Education Subcommittee of NAEMSP. He has an interest in EMS education, operations and protocol development. He is married to a wonderful, supportive woman with twin boys and a daughter.

Monica Goedken
Monica Goedken is the Violence Prevention Coordinator and the Rape Prevention and Education (RPE) Program Director with the Iowa Department of Public Health. In this role, she collaborates with multi-sector organizations and community members to prevent sexual violence and improve community responses with those impacted by intimate partner violence and sexual violence. She is a trainer and technical assistance provider for organizations who wish to ensure their policies, protocols, and practices support survivors of IPV & SV and their workplace culture.

Jessica Gould
Jessica Gould is the Healthcare Preparedness Specialist for the Bureau of EMS, Trauma and Preparedness (BETP), Division of Emergency Preparedness and Response (DEPR) at the Michigan Department of Health and Human Services. She has worked in Public Health for the last 19 years, ranging from the Public Health Laboratory, Medical Examiner’s Office, and Public Health Preparedness. She joined BETP in early 2019 and works to provide specialized policy and operations analysis, procedural and reporting development, along with advice and guidance on the implementation of diverse activities related to the state’s hospital and pre-hospital emergency preparedness and response program. She also serves as the program coordinator for the Michigan Mortuary Operations Response Team and Special Pathogens Response Network. She has been a part of multiple responses, most recently the COVID-19 Response.
Dr. James Hart
James Hart, MD is an emergency medicine and EMS physician in Decatur, IL. He is a staff physician with Mid America Emergency Physicians and works at Decatur Memorial Hospital in Decatur and Taylorville Memorial Hospital in Taylorville, IL. He attended medical school at the University of Missouri-Columbia, completed emergency medicine residency at Southern Illinois University and completed a fellowship in EMS at the University of Iowa Carver College of Medicine. His medical interests include rural EMS and agromedicine.

Angela Leek
Angela Leek, CHP is the radiation control program director for the Iowa Department of Public Health where she is responsible for the licensing and inspection activities for all aspects of radiation producing machines and radioactive materials within Iowa, as well as for dose assessment and primary technical guidance for radiation emergency preparedness and response. She actively supports the development of training and presentations for various groups across the nation on radiation protection, regulatory control program perspectives, and emergency preparedness and response. Her most significant efforts in these areas are supporting the FEMA CBRN Office in management of the Radiological Operations Support Specialist (ROSS) program.

Angela served as the Chairperson for the Conference for Radiation Control Program Directors (CRCPD) through May 2022 and will be joining the Health Physics Society Board of Directors in July 2022. She is Iowa’s governor-appointed state liaison officer to the Nuclear Regulatory Commission, is Iowa’s voting member for the Organization of Agreement States, and maintains active memberships with organizations across all aspects of radiation protection including the Health Physics Society. Angela has been involved in the radiation field for over 25 years and is certified by the American Board of Health Physics. She earned her Master’s degree in Radiation Health Physics from Oregon State University and is currently working on her PhD at Iowa State University.

Dr. Patrick McGonagill
Patrick McGonagill, MD, FACS, is Clinical Associate Professor of Surgery at the University of Iowa Carver College of Medicine. He is a Vice-Chair of the Iowa Committee on Trauma.

Gary Merrill
Gary Merrill has been an EMS provider since 2000, starting as a volunteer EMT with the Denison Fire Department and Crawford County Ambulance, later becoming a paramedic and working full time for Palo Alto County Ambulance, and eventually taking the role of service director for the Algona Ambulance Service. During his career, Gary served on a number of boards and committees to promote and advance EMS in Iowa including the Iowa EMS System Standards Committee; the Quality Assurance, Standards and Protocols committee; the Trauma System Advisory Council’s Data Management Subcommittee; and the Iowa EMS Association Board of Directors. In 2019, Gary took an EMS Field Coordinator position with IDPH, using his experience to assist EMS agencies in complying with the Iowa Administrative Rules and in building stronger, more effective EMS systems in their communities.

Judy Placek
Judy has her master’s degree in nursing and a post master’s certificate as a family nurse practitioner. Her background is in critical care, burn and plastic surgery with the last 24 years focused on the acute surgical and reconstructive care of the burn patient. Just has had an interest in disaster preparedness for years and is involved with the American Burn Association (ABA) disaster preparedness program. Judy is the lead of the Region VII Disaster Health Response Ecosystem Burn specialty team. Her experience with disaster planning and exercise development will help identify gaps in preparedness, provide technical assistance to healthcare facilities and assist in continuing to build on the partnerships developed within the region.
Conference Speakers and Facilitators

Brian Rechkemmer
A native of North Liberty, Iowa, I have been involved in the Emergency Medical Services profession for nearly three decades. I began teaching twenty-two years ago and have been fortunate to have had the opportunity to teach EMS for a variety of students across the state of Iowa. Over the course of a 30-year career I have worked in EMS and taught EMS whether full-time, part-time, or volunteer. There is no greater feeling than once a learner has had the moment when everything clicks and all of the hard work they have put into the course makes sense.

Jill Schacherer
Jill Schacherer joined the Iowa Department of Public Health as the Refugee Health Coordinator in November 2020. In this role, she coordinates with clinics, resettlement agencies, and other community partners around the state to protect and improve the health and well-being of refugees in Iowa. This includes serving as a liaison between the CDC and clinics completing initial refugee health assessments, as well as compiling and analyzing data from the refugee health screenings. Prior to joining the Department of Public Health, Jill spent four years as the Refugee Wellness Program Coordinator at the U.S. Committee for Refugees and Immigrants-Des Moines (USCRI) field office. At USCRI, she oversaw the health program and coordinated intensive case management services for refugees with high medical needs. Before working in the refugee field, Jill spent 27 months serving as a Peace Corps Volunteer in Yarmolyntsi, Ukraine, where she taught English as a Foreign Language and worked on secondary projects focused on HIV/AIDS education, human trafficking prevention, and gender & development issues. Jill is a graduate of Central College and the University of Iowa.

Dr. Joseph Sherrill
Joseph Sherrill, MD, FACS has over 20 years of experience in trauma and complex spinal injuries. The most rewarding part of his job is witnessing a patient who recovers function after a life-threatening spine or brain injury. Growing up in the Midwest, Dr. Sherrill brings compassion, passion, and perfection to not only his surgical work but his personal life. He was active with the US Naval Reserves and would have been a navy fighter pilot if he wasn’t a neurosurgeon.

Outside of work, he enjoys running, swimming, cycling, and endurance athletics.

Dr. Richard Sidwell
Dr. Rick Sidwell is a native of Davenport, IA, and a graduate of medical school from the University of Iowa. He is a trauma surgeon at Iowa Methodist Medical Center, a Level I trauma center in Des Moines. He has the unique perspective of having worked at Level I, Level II, Level III, and Level IV trauma centers. He has been active in the Iowa Trauma System since 2002. He is a longtime member of the American College of Surgeons Committee on Trauma, formerly serving as the chair Rural Trauma Committee and as the COT Chief for Region VII (Iowa, Nebraska, Kansas, Missouri). He led the development of the 4th edition of the Rural Trauma Team Development Course. Locally he serves as the Medical Director for his town’s (Bondurant, IA) EMS. He has been active in trauma education since 1994.
Conference Speakers

Dr. Dionne Skeete
Dr. Dionne Skeete is an associate professor of Surgery, clinical medical director of Trauma Services, and medical director of the Surgery Specialty Clinic at the University of Iowa Hospitals and Clinics. Dr. Skeete completed a surgical residency at the University of Iowa in 2001 and a surgical critical care fellowship at the University of North Carolina in 2003. As a trauma surgeon and interim director of the level-I Trauma Center at the University of Iowa, Dr. Skeete participates in research projects related to various aspects of trauma management and prevention, including studies assessing the outcomes of patients presenting with infections, complications after trauma surgery, or prevention measures. Dr. Skeete serves as the chairperson for the Trauma System Advisory Council State Evaluation and Quality Improvement Sub-Committee. She is also the Chair for the Committee on Trauma, Iowa Chapter of American College of Surgeons.

Jeremy Sprague
Jeremy is a police sergeant for the Des Moines Iowa Police Department. He has served as a patrol officer, arson and financial crime investigations, hostage/crisis negotiator, communications supervisor, patrol sergeant, traffic crash fatality investigations, and now assigned to the Family Conflict Section that includes domestic assaults, sex abuse, child abuse, and child death cases. He also retired after 20 years in the fire service as a part-time fire lieutenant supervising an engine company, medic-squad, and directing the fire training academy. Jeremy designed, created, and managed the first-in-the-state public safety Peer Support Program which is used as a model for other agencies around the country. He specializes in providing training and critical incident response around the state. In 2016, Jeremy managed a comprehensive strategic plan for the loss of three Des Moines Police Officers in 2016 including crisis management, logistics, and department wellness.

Karen Stenger
Karen Stenger MA, RN, CCRN-K is a Nurse Practice Leader (NPL) in the Intensive and Specialty Care nursing division at the University of Iowa Hospitals & Clinics. For the past thirty-five years, she is consulted to work with patients and staff to provide knowledge, care and support to patients with injuries to the spinal cord. She has been awarded one of the 100 Great Nurses in Iowa in 2006, the Corridor Business Journal Healthcare Hero award in 2012 and a Women of Influence in 2016. She is a member of the American Association of Critical Care Nursing and American Association of Neuroscience Nursing.
**Steve Sugarman**

Stephen L. (Steve) Sugarman, the Vice President of Operations and Corporate Health Physicist for SummitET has been working in the health physics field for more than 30 years. He is certified by the American Board of Health Physics and has a master’s degree in Safety Education and Service from the University of Tennessee. His primary areas of interest are the integration of health physics into radiation emergency response and improving communications as they relate to radiological events. With numerous peer-reviewed publications to his credit, Steve has provided training or invited lectures on radiation emergency response throughout the US and in over 20 foreign countries.

Prior to SummitET, Steve was at REAC/TS as the Health Physics Project Manager where during his 18 years of service he responded to numerous real-world radiation emergencies and provided training/education to thousands of physicians, nurses, and other response personnel. During the early stages of the Fukushima accident, he was one of only two REAC/TS personnel authorized to speak to the media related to the incident. Steve’s current health physics duties have him providing radiological subject matter expertise to multiple radiological exercise series as well as providing radiation-related training to personnel throughout the response community.

**Kristel Wetjen**

Kristel Wetjen RN, MSN has been the Pediatric Trauma Program Manager at University of Iowa Stead Family Children’s Hospital (UISFCH) since 2008. Additionally Ms. Wetjen is a founding Co-Chair of the University of Iowa Hospital and Clinics (UIHC) Emergency Management Subcommittee Pediatric Disaster Preparedness Task Force (2010-present) and member of the UIHC Emergency Management Subcommittee (2010-present). In these roles, she has facilitated over 20 hospital disaster exercises with a focus on pediatric patients. Ms. Wetjen is also the co-lead of the Iowa Emergency Medical Services for Children (EMS-C).