



Toronto

Sunnybrook
HEALTH SCIENCES CENTRE



WADDEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Wednesday, 26 April 2017

6:00AM - 7:00AM **Yoga (Ticketed)**
Room: Richmond Room

7:30AM - 8:30AM **WS10: CBRN - State-of-the-Art Treatment for Poisoning**
Chairs: Vikhyat Bebarta
Room: Queens Quay

Compare and contrast the pros and cons of the following cyanide antidotes: hydroxocobalamin, amyl nitrite, sodium nitrite, sodium thiosulfate, cobinamide, nitrocobinamide, and 4-DMAP.- Describe the newest research developing cobinamide and nitrocobinamide as antidotes for cyanides, cyanogenic compounds, and sulfides.- List the indications, contraindications, complications, dosage, and routes for hydroxocobalamin, as well as new research highlighting potential new indications for this cyanide antidote.

7:30AM - 8:30AM **Psychosocial Section Business Meeting**
Room: Yonge Room

7:30AM - 8:30AM **Prehospital Disaster Medicine (PDM) Committee Meeting**
Room: Bay Room

8:45AM - 9:30AM **PL02: Brigadier-General HC MacKay, OMM, CD, QHP**
Room: Metropolitan Centre

9:30AM - 10:00AM **PS03: Poster Session with Presenters Present**
Chairs: Johan von Schreeb, Mason Leschyna, Patrizia Duda & Stella Anyangwe
Room: Frontenac Room

PS03-01: Medical Formations of EMERCOM of Russia and their Experience in Providing Emergency Medical Assistance to Emergency-Affected in Russia and Foreign Countries

Presenter: Sergei Aleksanin - Federal State Budgetary Institute "The Nikiforov Russian Center of Emergency and Radiation Medicine" EMERCOM of Russia, Russia

PS03-02: A Consultation-based Study about Core Competencies of Emergency Medical Rescue Strength of the People's Armed Police



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Presenter: Wang Wei - Fourth Military Medicine College, China

PS03-03: Upgrading the Treatment of Pediatric Trauma in Israel

Presenter: Eran Mashiach - Schneider Children's Medical Center, Israel

PS03-04: Operating Room Management During Mass Casualties: A New Checklist

Presenter: Joseph McIsaac - University of Connecticut/Hartford Hospital, United States

PS03-05: Are Surgical Skills Under-Emphasized in Literature on Medical Response to Disasters? A Brief Review and Critical Analysis of the Literature with Emphasis on Low Resourced Populations

Presenter: Nicholas Moroz - University of Guelph, Canada

PS03-06: Assessment of Advanced Life Support Training in Emergency Medical Personnel : a National Report of Thailand

Presenter: Chanisa Eksombatchai - King Chulalongkorn Memorial hospital, and faculty of medicine, Chulalongkorn university, Thailand

PS03-07: Senior Nursing Students Working as an American Red Cross Volunteer: Virtual Case Workers

Presenter: Montray Smith - University of Louisville, United States

PS03-08: Evaluation of Certain Behaviors in Regard to Disaster Preparedness of Students in Hüseyin Cahit Korkmaz Medical Vocational High School

Presenter: Ozcan Erdogan - Bezmialem Vakif University, Turkey

PS03-09: IFRC Humanitarian Health Competency Matrix

Presenter: Nancy Claxton - IFRC, Switzerland

PS03-10: Evaluation of Applicability and Feasibility of the Standardized Direct Observation Tool (SDOT) in Qatar Emergency Medicine Residency Program

Presenter: Sohaib Chaudhry - Hamad General Hospital, Qatar

PS03-12: Medical Response to the 2016 Fort McMurray Wildfires - Descriptive Epidemiology of Patients Presenting to a Field Hospital

Presenter: Dirk Chisholm - Canada Task Force 2, Canada

PS03-13: Discovering Best Practice for the Implementation of Evacuation



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Centers for Vulnerable Populations: Findings from a Japanese Pilot Study
Presenter: Mayumi Kako - Flinders University, Torrens Resilience Institute, Australia

PS03-14: Hospital Surge Capacity in the 2011 Great East Japan Earthquake and Tsunami

Presenter: Kazuma Morino - Yamagata Prefectural Medical Center for Emergency, Japan

PS03-15: Evacuation Burden of a Safety-Net Academic Medical Center during Hurricane Sandy: Implications for Reverse Triage

Presenter: Christopher Wang - New York University School of Medicine, United States

PS03-16: DMAT Operation in 2016 Kumamoto Earthquake

Presenter: Hisayoshi Kondo - Disaster Medical Center of Japan, Japan

PS03-17: Mitigating Matthew: 5 Lessons to Help Improve Hurricane Hospital Preparedness

Presenter: Lancer Scott - Medical University of South Carolina, United States

PS03-18: The Operations of Nagasaki Prefectural DMAT Headquarters in Kumamoto Earthquake: Safety, Management and Coordination

Presenter: Kazunori Yamashita - Nagasaki University Hospital, Japan

PS03-19: Deployment Nutrition - Development of Disaster Responder Rations

Presenter: Matt Brearley - National Critical Care and Trauma Response Centre, Australia

PS03-20: Development of a Coordination System: Lessons Learned in Earthquakes in Nepal and Japan

Presenter: Taichi Takeda - Mie University Hospital, Japan

PS03-21: Counter-Terrorism Medicine: It Is Time

Presenter: Alexis Levy - Department of Emergency Medicine, Beth Israel Deaconess Medical Center, United States

PS03-22: Response of a Tertiary Care Teaching Hospital following a Grid Collapse in North India: Through a Contingency Plan

Presenter: Anil Gupta - Postgraduate Institute of Medical Education and Research, India



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10:00AM - 12:00PM CS17: Public Health

Chairs: Melissa Genereux & Yasmin Khan

Room: Metropolitan Centre

- 10:00AM - 10:10AM **CS17-01: Innovative Technological Approaches for Community Resilience**
Presenter: Limor Aharonson-Daniel, Ben-Gurion University of Negev, Israel
- 10:10AM - 10:20AM **CS17-02: A Complex Systems Analysis of the Lac-Mégantic Runaway Train Derailment**
Presenter: James Shultz - University of Miami Miller School of Medicine, United States
- 10:20AM - 10:30AM **CS17-03: Physical Activity and Sport Competitions Under Severe Air Pollution Conditions**
Presenter: Itamar Grotto - Israel Ministry of Health, Israel
- 10:30AM - 10:40AM **CS17-04: Rapid Urbanization is Linked to Flood Lethality in the Small Island Developing States (SIDS): A Modeling Study**
Presenter: Felix Chilunga - Université catholique de Louvain, Belgium
- 10:40AM - 10:50AM **Q&A**
- 10:50AM - 11:00AM **CS17-06: Cardiac Arrest Survival Post-Electrocution - Management in a Low-Resource Emergency Department In Ghana**
Presenter: Nkechi Dike - Komfo Anokye Teaching Hospital, Ghana
- 11:00AM - 12:00AM **Conclusions**

10:00AM - 12:00PM CS18: Health Systems

Chairs: Marv Birnbaum & Elaine Daily

Room: Metropolitan West

- 10:00AM - 10:10AM **CS18-01: Adaptation of START Triage Training Program for Hospital Personnel in West Africa**
Presenter: Chad Priest - Indiana University, United States
- 10:10AM - 10:20AM **CS18-02: Central Ohio's Regional Response to the Largest Botulism Outbreak in 30 Years**
Presenter: Medard Lutmerding - Central Ohio Trauma System, United States



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- 10:20AM - 10:30AM **CS18-03: Challenges of Establishing National Public Health Rapid Response Teams during an Emergency**
Presenter: Ashley Greiner - Centers for Disease Control and Prevention, United States
- 10:30AM - 10:40AM **CS18-04: An Effective Health Resource Availability Mapping System for Decision Making in Crises Contexts**
Presenter: Michel Yao - World Health Organization, Central African Republic
- 10:40AM - 10:50AM **CS18-05: Approaches to the Use of Research Knowledge in Policy and Practice during the Syrian Refugee Crisis**
Presenter: Ahmad Firas Khalid - McMaster University, Canada
- 10:50AM - 11:00AM **CS18-06: Verification of an Area Disaster Resilience Management System Model for Healthcare During the 2016 Kumamoto Earthquake**
Presenter: Masahiko Munechika - Waseda University, Japan
- 11:00AM - 11:10AM **CS18-07: Changes in the Functions for Continued Healthcare Services during a Disaster**
Presenter: Chisato Kajihara - Waseda University, Japan
- 11:10AM - 11:20AM **CS18-08: A Systematic Review of Human Health following Flood and Storm Disasters**
Presenter: Dell Saulnier - Karolinska Institutet, Sweden
- 11:20AM - 11:30AM **CS18-09: Mass Fatality Management in the US**
Presenter: Robyn Gershon - University of California, San Francisco, United States
- 11:30AM - 11:40AM **CS18-10: Preparedness of US Health Care Volunteers Who Deployed to the West Africa Ebola Epidemic**
Presenter: Robyn Gershon - University of California, San Francisco, United States
- 11:40AM - 12:00AM **Conclusions**
- 10:00AM - 12:00PM CS19: Lessons from the Field**
Chairs: Laurie Mazurik & Trevor Hall
Room: Metropolitan East
- 10:00AM - 10:10AM **CS19-01: Community Disaster Risk Reduction using Indigenous Knowledge,**



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Integrating with Climate Smart Interventions in Coastal Andhra Pradesh

Presenter: Meda Prasad - CADME (Coastal Area Disaster Mitigation Efforts), India

- 10:10AM - 10:20AM **CS19-02: Risk Factors of an Earthquake Hospitalized Patient Death in the Wenchuan Earthquake Victim Database**
Presenter: Zhi Wan - West-China Hospital, Sichuan University, China
- 10:20AM - 10:30AM **CS19-03: Physical Rehabilitation in the Context of Natural Disasters: A Case Study in Nova Friburgo, Rio de Janeiro, Brazil**
Presenter: Elaine Miranda - Federal Fluminense University, Brazil
- 10:30AM - 10:40AM **CS19-04: Disaster Complexity: South Pacific Origins of the Blizzard of 2016**
Presenter: James Shultz - University of Miami Miller School of Medicine, United States
- 10:40AM - 10:50AM **CS19-05: A Framework for Analyzing Performance Under Pressure in Diverse Healthcare Settings in Ecuador**
Presenter: Alicia Zavala Calahorrano - Griffith University, Australia
- 10:50AM - 11:00AM **CS19-06: Arctic Disaster Risk Reduction and Response: Community-Based Approaches in the Face of Wicked Problems and Cascading Disasters**
Presenter: Patrizia Duda - University College London (UCL), United Kingdom
- 11:00AM - 11:10AM **CS19-07: Doctor-Heli Fleet Operations During the 2016 Kumamoto Earthquake in Japan**
Presenter: Tomokazu Motomura - Chiba Hokusoh NMS, Japan
- 11:10AM - 11:20AM **CS19-08: The Experience of the Ecuadorian Red Cross in the Joint Deployment of an Emergency Medical Unit Post, April 2016 Earthquake**
Presenter: Ivan Alexander Moya Cabezas - Ecuadorian Red Cross High Technological Institute, Ecuador
- 11:20AM - 11:30AM **Q&A**
- 11:30AM - 11:40AM **CS19-10: Monitoring the Well-Being of AusMAT Members Deployed to Fiji following Tropical Cyclone (TC) Winston**
Presenter: Matt Brearley - National Critical Care and Trauma Response Centre, Australia
- 11:40AM - 12:00AM **Conclusions**



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10:00AM - 12:00PM CS20: CBRNE

Chairs: Frank Walter & Dean Popov

Room: Queens Quay

- 10:00AM - 10:10AM **CS20-01: Acute Hydrofluoric Acid Mass Exposure : Experience in Teaching Hospitals**
Presenter: Soon-Joo Wang - Hallym University, Republic of Korea
- 10:10AM - 10:20AM **CS20-02: Strategies to Optimize Performance of Healthcare Workers in Hazmat Incidents**
Presenter: Mark Leong - Singapore General Hospital, Singhealth, Singapore
- 10:20AM - 10:30AM **Q&A**
- 10:30AM - 10:40AM **CS20-04: Let There be Light: Evaluating Decontamination Effectiveness during a Large-scale Simulation of a CBRNe Disaster**
Presenter: Esli Osmanliu - Montreal Children's Hospital, Canada
- 10:40AM - 10:50AM **CS20-05: Preparing a Tertiary Medical Center for a "Dirty-Bomb" Threat**
Presenter: Dagan Schwartz - Rabin Medical Center, Israel
- 10:50AM - 11:00AM **CS20-06: A Cost-effective Prescription for Radiological Emergency Preparedness in Community Hospital Emergency Departments**
Presenter: E. Courtleigh - Lower Bucks Hospital, United States
- 11:00AM - 11:10AM **CS20-07: Comprehensive Disaster Medical System to Threat of Nuclear Emergency and Disaster**
Presenter: Soon-Joo Wang - Hallym University, Republic of Korea
- 11:10AM - 11:20AM **CS20-08: The New Radiation Emergency Medical System in Japan: Lessons from the Fukushima Nuclear Plant Accident**
Presenter: Hitoshi Yamamura - Hirosaki University, Graduate School of Medicine, Japan
- 11:20AM - 11:30AM **CS20-09: Development and Effect of Personal Protective Equipment, Train-the-Trainer Program for Hospital Nurses**
Presenter: Hyun Soo Chung - Yonsei University College of Medicine, Republic of Korea
- 11:30AM - 11:40AM **CS20-10: Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Outbreak and National and Hospital Response in Korea**



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Presenter: Soon-Joo Wang - Hallym University, Republic of Korea

- 11:40AM - 12:00AM **Conclusions**

10:00AM - 12:00PM **CS21: Psychosocial and Behavioral Health**

Chairs: Gordon Dodge & Janet Ellis
Room: Wellington Room

- 10:00AM - 10:10AM **CS21-01: Dialogue in Emergencies - Interpreters of Sign Language in Israel**
Presenter: Carolina Tannenbaum-Baruchi - Ben-Gurion University of Negev, Israel
- 10:10AM - 10:20AM **CS21-02: Pandemic Preparedness in the Homeless Sector: Reports from Homeless People**
Presenter: Jeannette Waegemakers Schiff - University of Calgary, Canada
- 10:20AM - 10:30AM **CS21-03: Capability and Vulnerability: A Discourse Analysis of Multi-Jurisdictional Emergency Planning Documents**
Presenter: Christina Pickering - University of Ottawa, Canada
- 10:30AM - 10:40AM **CS21-04: Evaluating the Experiences with an Information and Referral Center (IRC) following a Large Air Crash Disaster**
Presenter: Hans Te Brake - Impact - National Knowledge and Advice Centre for Post-Disaster Psychosocial Support, Arq Psychotrauma Expert Group, Diemen, The Netherlands, Netherlands
- 10:40AM - 10:50AM **CS21-05: The Aging Population During Emergencies: A Vulnerable Population or a Community Resource?**
Presenter: Odeya Cohen - Ben-Gurion University of the Negev, Israel
- 10:50AM - 11:00AM **CS21-06: Community Adherence to Emergency Public Health Measures During Bio-Events**
Presenter: Robyn Gershon - University of California, San Francisco, United States
- 11:00AM - 11:10AM **CS21-07: Patterns of Victimization in the Perception of Threat and Preparedness of the Israeli Public to Armed Conflicts**
Presenter: Moran Bodas - Tel Aviv University, Israel
- 11:10AM - 11:20AM **CS21-08: Immediate Behavioral Response During an Earthquake and the Risk of Injury and Death: A Simulation Based Study**



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Presenter: Stav Shapira - Ben Gurion University of the Negev, Israel

- 11:20AM - 11:30AM **CS21-09: Development of a Disaster Mental Health Service Model and Expert Survey**

Presenter: Soon-Joo Wang - Hallym University, Republic of Korea

- 11:30AM - 11:40AM **CS21-10: Forced Internal Displacement during Colombia's Five Decades of Armed Conflict: Trauma, Loss, and Psychopathology**

Presenter: James Shultz - University of Miami Miller School of Medicine, United States

- 11:40AM - 12:00AM **Conclusions**

10:00AM - 12:00PM **CS22: Humanitarian Aid**

Chairs: Lynda Redwood-Campbell & Kirsten Johnson

Room: Yonge Room

- 10:00AM - 10:10AM **CS22-01: Disaster Governance through Opening Up Public Data: Trends and Perspectives**

Presenter: Helen Pavlidou - General Hospital of Patras, Greece

- 10:10AM - 10:20AM **CS22-02: International Emergency Medical Teams, A Working Group on Training**

Presenter: Anali Maneshi - McGill University, Canada

- 10:20AM - 10:30AM **Q&A**

- 10:30AM - 10:40AM **CS22-04: Analysis of 112 Emergency Medical Service Utilizations of Syrian Refugees Residing in Ankara, Turkey**

Presenter: Sidika Tekeli Yesil - Hacettepe University Institute of Public Health, Turkey

- 10:40AM - 10:50AM **CS22-05: Surgical Needs of Internally Displaced Persons in West Darfur, Sudan**

Presenter: Zach Hartman - University of Colorado, United States

- 10:50AM - 11:00AM **CS22-06: Impacts of the Interim Federal Health Program on Healthcare Access and Provision for Refugees and Refugee Claimants in Canada: A Stakeholder Analysis**

Presenter: Valentina Antonipillai - McMaster University, Canada



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- 11:00AM - 11:10AM **CS22-07: Reproductive, Maternal, Newborn and Child Health (RMNCH): Interventions and Delivery Modalities in Fragile Settings: A Review of Literature**
Presenter: Bernice Tiggelaar - Canadian Red Cross, Canada

- 11:10AM - 11:20AM **Q&A**

- 11:20AM - 11:30AM **CS22-09: Minimum Standards for Staff Health in Humanitarian Aid Organizations**
Presenter: Hannele Haggman - IFRC, Switzerland

- 11:30AM - 12:00AM **Conclusions**

10:00AM - 12:00PM WS11: French Track Room: Bay Room

- 10:00AM - 11:00AM **Médecine de catastrophe : les situations spécifiques**

Modérateurs: Dr. Valérie Homier et Dr. Abdo Khoury

- 10:00 - La prise en charge des grands brûlés à l'urgence et aux soins intensifs - Nathalie Morissette, Canada
- 10:20 - NRBC : la formation de la communauté médicale et non médicale pour une réponse aux attaques terroristes - Nagi Souaiby, Liban
- 10:40 - La décontamination pédiatrique - Élene Khalil, Canada

- 11:00AM - 12:00PM **Table Ronde 1: Les soins intensifs en situation de catastrophe -**

- 11:00 - Terrorisme: nouvelle époque, nouveaux challenges pour nos soins intensifs - Abdo Khoury, France
- 11:15 - Dr. Nathalie Morissette, Dr. Jan Cedric Hansen, Dr. Benoit Vivien
 1. Le rôle des Soins intensifs en situation de catastrophe;
 2. La gestion des équipements de réanimation (respirateurs, Bipap, moniteurs cardiaques) à l'échelle hospitalière et régionale;
 3. La problématique du niveau de soins en médecine de catastrophe.

12:10PM - 12:50PM WS12: Humanitarian Evidence Debate - Overcoming Hurdles to Implement an Evidence Based Approach Chairs: Kristin Ringstad & Claire Allen Room: Metropolitan Centre

The debates will take place over three days and all will share the same Chair, Claire Allen. The debates will build on each other but also can be stand-alone.



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There will be a 15-minute presentation each day by a key speaker, list of speakers to be confirmed, followed by questions from the Chair to promote what is hoped will be lively audience participation debate. Evidence Aid will take notes in order to publish a commentary report of the event afterwards. On each day, the Chair will pose critical questions to the speaker at the end of his/her presentation to lead the audience into the debate.

12:05PM - 12:55PM **WS13: Public Health - Phone Screening Communicable Disease Outbreaks**

Chair: Arthur Yancey
Room: Metropolitan West

This panel presentation and its ensuing deliberations will focus participants on the following challenges and framework for addressing them:- Design of caller screening, that prioritizes procuring crucial information in the shortest time frame (input at intake);- Generic database framing of screened caller information that can be adaptable to highly variable adverse event types (input);- Appropriate electronic alerting, consisting of remote instructions to on-scene callers to protect their safety and begin evaluation and stabilization of victims (output);- Appropriate precautions to services personnel, to protect their safety (output);- Provision of inbound data-based, collated, classified information to supervisory personnel who must coordinate strategic responses to those affected victims while preserving resources for covering the unaffected, as yet non-threatened jurisdictional populations (output).

12:05PM - 12:55PM **WS14: Public Health - Governance & Environmental Disasters**

Chairs: Melissa Genereux & Brian Schwartz
Room: Metropolitan East

This workshop is targeted to the members of the Congress Public Health Track Team. Panelists will engage in face-to-face discussions to promote consensus on key concepts around governance model for public health response to environmental emergencies and disasters (e.g. chemical incident, extreme weather event). Several models currently exist worldwide. The purpose of this workshop is to identify what works and what does not work by comparing different governance models applied to recent emergencies (ex.: Lac-Mégantic train derailment in 2013, Fort McMurray wildfire in 2016).

12:10PM - 12:50PM **WS15: CBRN - Toxidrome Case Presentations with Recognition and Diagnosis using CHEMM-IST**

Chairs: Mark Kirk & Chuck McKay



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Room: Queens Quay

Toxidrome Case Presentations with Recognition and Diagnosis using CHEMM-IST-
Recognize toxic syndromes (toxidromes) in case presentations.- Use CHEMM-IST
to help refine your mass casualty toxidrome recognition.- List expert consensus
terminology for toxidromes.

12:10PM - 12:50PM **WS16: Veterinary Medicine and Animal Care - An Introduction to Animal Decontamination**

Chairs: Cathy Furness & Kelly Evans
Room: Wellington Room

This session will provide an awareness level of issues to consider for animal decontamination. It is intended for a wide first responder audience including human hospital and shelter staff responsible for service animal care, firefighters, police, animal control officers, animal shelter staff, veterinarians and veterinary technicians, animal rescue team members, and emergency management personnel.

Workshop participants will gain an understanding of:

- Responder safety and use of personal protective equipment (PPE) when working with potentially contaminated animals;
- Considerations for planning and working with other agencies;
- Challenges associated with animal decontamination such as which animal species were affected and who has regulatory authority;
- Ways to incorporate animal decontamination using existing equipment.

This session will provide an opportunity for Disaster and Critical Care specialists from numerous disciplines to develop an understanding of the challenges and hazards associated with animal decontamination procedures. It is intended to generate awareness to improve first responder safety, animal health and welfare outcomes and ultimately the safety and health of the community in which the incident has occurred.

12:00PM - 1:00PM **Lunch**

Room: Frontenac Room

Enjoy a "Grab and Go" lunch and network with other Congress delegates.

1:00PM - 3:00PM **CS23: Public Health**

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Chairs: Yasmin Khan & Benjamin Abo
Room: Metropolitan Centre

- 1:00PM - 1:10PM **CS23-01: Barriers and Opportunities for Early Detection of Breast Cancer in Gaza**
Presenter: Rola Shaheen - Peterborough Regional Health Center, Canada
- 1:10PM - 1:20PM **CS23-02: Prehospital Bio-event Detection: An Assessment of Syndromic Surveillance Systems in Australian Ambulance Services**
Presenter: Cameron Anderson - Edith Cowan University, Australia
- 1:20PM - 1:30PM **CS23-03: The Burden of Matatu Bus Crashes in Kenya**
Presenter: Isaac Botchey Jr - Johns Hopkins International Injury Research Unit, Johns Hopkins Bloomberg School of Public Health, United States
- 1:30PM - 1:40PM **CS23-04: Influenza-Like Illness and Gastrointestinal Illness: Surveillance Using a Novel Online Biosurveillance System in Child Care Centers**
Presenter: Sarah Ewing - University of Michigan Medical School, United States
- 1:40PM - 1:50PM **CS23-05: Vulnerable Population Study of Household Injuries: A Case Study in Hong Kong**
Presenter: Janice Ho - The Chinese University of Hong Kong, Hong Kong
- 1:50PM - 2:00PM **CS23-06: The Disaster Risk Landscape for Small Island Developing States (SIDS)**
Presenter: James Shultz - University of Miami Miller School of Medicine, United States
- 2:00PM - 2:10PM **CS23-07: Reducing Non-communicable Disease Exacerbation after a Disaster**
Presenter: Benjamin Ryan - James Cook University, Australia
- 2:10PM - 2:20PM **Q&A**
- 2:20PM - 2:30PM **CS23-09: Risk Factors for Pedestrian Related Road Traffic Injuries in Dar Es Salaam, Tanzania**
Presenter: Basilisa Kalanga - Muhimbili National Hospital, Tanzania
- 2:30PM - 2:40PM **CS23-10: Designing a County-wide Crisis Care Plan**
Presenter: Cameron Kaiser - County of Riverside, United States
- 2:40PM - 3:00PM **Conclusions**



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1:00PM - 3:00PM

CS24: Health Systems

Chairs: Trevor Hall & Maria Rodrigues

Room: Metropolitan West

- 1:00PM - 1:10PM **CS24-01: Health Emergency Operation Center to Face Public Health Events in Africa: Senegalese Experience**
Presenter: Abdoulaye Bousso - Ministry of Health, Senegal, Senegal
- 1:10PM - 1:20PM **CS24-02: Hazard Vulnerability Analysis: Practices in Boston Hospitals**
Presenter: Douglas Romney - BIDMC Fellowship in Disaster Medicine, United States
- 1:20PM - 1:30PM **CS24-03: Hazard Vulnerability Analysis: Practices in Massachusetts Hospitals**
Presenter: Douglas Romney - BIDMC Fellowship in Disaster Medicine, United States
- 1:30PM - 1:40PM **CS24-04: Fitness Requirements for DMAT Teams: A Systematic Review**
Presenter: Douglas Romney - BIDMC Fellowship in Disaster Medicine, United States
- 1:40PM - 1:50PM **CS24-05: Review of Instruments Used in Hazard Vulnerability Analysis of Hospitals**
Presenter: Douglas Romney - BIDMC Fellowship in Disaster Medicine, United States
- 1:50PM - 2:00PM **CS24-06: Modern Strategies of Collaborating Centers for Emergencies**
Presenter: Gennady Kipor - All Russian Center for Disaster Medicine "Zaschta", Russia
- 2:00PM - 2:10PM **CS24-07: Understanding the Emergency Preparedness Programs of Academic Health Systems**
Presenter: Paul Biddinger - Partners HealthCare System, United States
- 2:10PM - 2:20PM **CS24-08: Emergency Services Rapid Assessment Tool in San Salvador, El Salvador**
Presenter: Eric Cioe-Pena - Northwell Staten Island University Hospital, United States
- 2:20PM - 2:30PM **CS24-09: Impact of Participation in Focus Groups on Perceived Preparedness**



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for Emerging Threats

Presenter: Bruria Adini - Tel-Aviv University, Israel

• 2:30PM - 3:00PM

Conclusions

1:00PM - 3:00PM

CS25: Lessons from the Field

Chairs: Patrizia Duda & Mohammad Fakhraldeen

Room: Metropolitan East

• 1:00PM - 1:10PM

CS25-01: Canada Task Force 2 Medical Team Deployment to the Fort McMurray Wildfire

Presenter: Joshua Bezanson - University of Alberta, Canada

• 1:10PM - 1:20PM

CS25-02: Fit for Duty? The Case for Disaster Responder Fitness Standards

Presenter: Matt Brearley - National Critical Care and Trauma Response Centre, Australia

• 1:20PM - 1:30PM

CS25-03: Earthquake in Amatrice (Italy), August 24, 2016: The Role of the Medical Teams of the National Alpine Rescue Corp (CNSAS)

Presenter: Francesco Foti - Azienda Regionale Emergenza Urgenza Regione Lombardia, Italy

• 1:30PM - 1:40PM

CS25-04: Lessons from the French Society of Disaster Medicine, Stratadviser Ltd and the West African Health Organization Collaborative Group during the 2014-2016 Ebola Outbreak

Presenter: Jan-Cedric Hansen - StratAdviser Ltd, United Kingdom

• 1:40PM - 1:50PM

CS25-05: Emerging Issues of Withdrawing the DMAT Headquarters, Kumamoto Earthquakes of 2016

Presenter: Takamitsu Kodama - Aichi Medical University, Japan

• 1:50PM - 2:00PM

Q&A

• 2:00PM - 2:10PM

CS25-08: Fire in a Bar - Particularities of Management of Multiple Victims in Cardiac Arrest from Smoke

Presenter: Cédric Damm - CHU Charles Nicolle, France

• 2:10PM - 2:20PM

CS25-10: A Mass Casualty Experience: Carbon Monoxide Poisoning in a Group of Restaurant Workers

Presenter: Si Yong Ivan Chua - Singapore General Hospital, Singapore



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- 2:20PM - 2:30PM **CS25-06: The 2013 Santiago de Compostela Train Crash: High-Speed Derailment, Medical Trauma, and Psychological Aftermath**
Presenter: James Shultz - University of Miami Miller School of Medicine, United States

- 2:30PM - 3:00PM **Conclusions**

- 1:00PM - 3:00PM CS26: CBRNE**
Chairs: Dean Popov & Moran Bodas
Room: Queens Quay

- 1:00PM - 1:10PM **CS26-01: Training and Preparedness for CBRN Emergencies in a Conflict Zone, Lebanon**
Presenter: Nagi Souaiby - St Joseph University, Lebanon

- 1:10PM - 1:20PM **CS26-02: Live Animal CBRN Surveillance: The XIV Pan-American Games Case Experience**
Presenter: Amado Baez - Jackson Memorial Hospital, United States

- 1:20PM - 1:30PM **CS26-03: CBRNE Preparedness. Metropolis the First Italian Non Conventional Biological Drill**
Presenter: Alessandra Rossodivita - Luigi Sacco University Hospital, Italy

- 1:30PM - 1:40PM **CS26-04: A Hospital Mass Casualty Exercise using City Buses and a Tent as a Hybrid System for Patient Decontamination**
Presenter: Isabelle Imamedjian - McGill University Health Center, Canada

- 1:40PM - 1:50PM **CS26-05: Biological Nightmare, How to Respond to a Smallpox Outbreak**
Presenter: Brad Keating - Colorado Springs Fire Department, United States

- 1:50PM - 2:00PM **CS26-06: CBRN Information Appropriate - We May be Wiser, But is it Useful?**
Presenter: Jennifer Pakiam - National Library of Medicine(NLM)/National Institutes of Health (NIH), United States

- 2:00PM - 2:10PM **CS26-07: Bio-Weapons Testing: History, Ethics and Values**
Presenter: Leonard Cole - Rutgers New Jersey Medical School, United States

- 2:10PM - 2:20PM **CS26-08: Improvements that FP7 European Projects Provide to CBRN SOPs and Responder Protection**
Presenter: Catherine Bertrand (Presenter) and E Lecarpentier - AP-HP SAMU 94, France



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- 2:20PM - 3:00PM **Conclusions**

- 1:00PM - 3:00PM CS27: Improving Emergency Medical Team Capacity**
Chairs: Anthony Redmond & Mason Leschyna
Room: Yonge Room

- 1:00PM - 1:10PM **CS27-01: Opportunities and Roles of EMTs in Accelerating Disaster Recovery: A Canadian Red Cross Approach**
Presenter: Sébastien Jouffroy - Canadian Red Cross, Canada

- 1:10PM - 1:20PM **CS27-02: Improving an Emergency Medical Team's Capacity to Management of Diabetic Complications, Post Sudden Onset Disaster**
Presenter: David Read - National Critical Care & Trauma Response Centre, Australia

- 1:20PM - 1:30PM **CS27-03: WHO' Minimum Technical Standards and Recommendations for Rehabilitation, for Emergency Medical Teams' Guidance: Development and Use**
Presenter: James Gosney - World Health Organization, Switzerland

- 1:30PM - 1:40PM **CS27-04: International Emergency Medical Teams in the Russian Federation**
Presenter: Gennady Kipor - All Russian Center for Disaster Medicine "Zaschta", Russia

- 1:40PM - 1:50PM **CS27-05: Learning from Canadian Red Cross International Health Team Deployments: Understanding Individual and Institutional Competencies that would be Beneficial to a Canadian Domestic Response**
Presenter: Lynda Redwood-Campbell - McMaster University, Canada

- 1:50PM - 2:00PM **CS27-06: Psychological Fitness for Deployment: Personality as a Predictor of Performance**
Presenter: Luke McCormack - National Critical Care and Trauma Response Centre, Australia

- 2:00PM - 2:10PM **CS27-07: Emergency Medical Services during Mass Casualty Incidents (MCIs) - Challenges and Proposed Policies**
Presenter: Bruria Adini - Tel-Aviv University, Israel

- 2:10PM - 2:20PM **Q&A**



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- 2:20PM - 2:30PM **CS27-09: Changes in Quality of Prehospital Care and Time Delays in Acute Stroke in Tallinn, Estonia from 2005 to 2016**
Presenter: Raul Adlas - Tallinn Emergency services, Estonia

- 2:30PM - 3:00PM **Conclusions**

- 1:00PM - 3:00PM **WS17: EMT - Is There a Role for University-based Research to Improve EMT Disaster Response?**
Chairs: Johan von Schreeb
Room: Bay Room
 - Discuss the challenges to disaster based research
 - Outline key limitations and possible roles
 - Identify strategies to better address field relevant topics (operational research).

- 1:00PM - 6:00PM **WS18: Civil-Military Collaborative Operations - We're All in This Together**
Chair: Paul Farrell
Room: Wellington Room

- 1:00PM - 1:30PM **The Fog of Peace**
Presenter: LCol EM Izatt, CO of Canadian Disaster Assistance Team, Canada

- 1:30PM - 2:00PM **Changing World, Changing Mission, Changing Doctrine: Gender Perspectives in CAF Operations**
Presenter: LCol ME Bégin, Deputy CDS Gender Advisor (GENAD), Canada

- 2:00PM - 2:30PM **Panel: An Ounce of Prevention...**
Presenters: Shinichi Egawa, Tohoku University School of Medicine, Japan & Christian Haggemiller, Bundeswehr Staff College, Germany & Deborah H. Kim, Battelle Memorial Institute, United States

- 2:30PM - 3:00PM **Panel: Capabilities Hidden in Plain Sight**
Presenters: Heidi Cordi, AADM, Canada & Bill McNulty, Team Rubicon Global, United States & Tracey McNamara, Western University of Health Sciences, United States

- 3:15PM - 4:00PM **PL03: Mr. Bart Witteveen, Médecins Sans Frontières**
Room: Metropolitan Centre



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4:00PM - 5:00PM

WS19: POCUS in Disaster

Room: Pier 5

4:00PM - 4:30PM

PS04: Poster Session with Presenters Present

Chairs: Brendan Munn, Elene Khalil, Jamie Ranse, Joseph Cuthbertson, Laura Weingarten, Patrizia Duda,, Sameer Mal, Sean Smith & Wendy McKenzie
Room: Frontenac Room

**PS04-01: Heat Stroke Patients of a Mass Gathering Festival in Japan-
Kishiwada Danjiri Festival**

Presenter: Asuka Sunada - Kishiwada Tokushukai Hospital, Japan

**PS04-02: Medical Support for the Special Olympics Canada 2014 Summer
Games: Unique Requirements for a Mass Participation Event with a Specific
Population**

Presenter: Rebecca Schonnop - University of Alberta, Canada

**PS04-03: Mass Gathering Medicine Tabletop Game - A Systems Approach to a
Major Planned Event, Health Services Planning**

Presenter: Adam Lund - University of British Columbia, Canada

**PS04-04: Development of a Mass Gathering Triage Tool: An Australian
Perspective**

Presenter: Matt Cannon - St John Ambulance Australia (NSW), Australia

**PS04-05: Conflict and Disaster Medicine: The State of Military Medicine in
Ukraine**

Presenter: John Quinn V - PhD Candidate and Researcher, Prague Center for
Global Health, Institute of Hygiene and Epidemiology, First Faculty of Medicine,
Charles University, Czech Republic

**PS04-06: A Proposed System for the Development of an Online Learning
Environment for the Initial Action of Clinical Nurses at Times of Disaster**

Presenter: Miyuki Horiuchi - Kio University, Japan

**PS04-07: A Qualitative Case Study to Explore how Nursing Educators Address
Disaster Knowledge and Competencies in Nursing Schools in British Columbia**

Presenter: Wendy McKenzie - University of Calgary, Canada

**PS04-08: Knowledge of Cardiology Nurses, Regarding Care of Patients with
Permanent Pacemakers and Implantable Cardioverter Defibrillators in**



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Karachi Pakistan

Presenter: Faisal Ameen - Aga Khan University School of Nursing and Midwifery, Pakistan

PS04-09: Stress Among the Nurses: Working in an Emergency Unit of a Tertiary Care Teaching Hospital of Eastern Nepal

Presenter: Ram Mehta - B. P. Koirala Institute of Health Sciences, Nepal

PS04-10: Knowledge, Attitude and Practice Study of Oxygen Therapy among Emergency Department Nurses in Addis Ababa, Ethiopia

Presenter: Lemlem Beza - Addis Ababa University, Ethiopia

PS04-11: Swedish Prehospital Emergency Nurses Preparedness to Care for Pediatric Trauma Patients

Presenter: Lina Gyllencreutz - Umeå University, Sweden

PS04-12: A Program to Reduce Nurse Attrition Rate in a Tertiary Care Emergency Medicine Department in Addis Ababa, Ethiopia

Presenter: Finot Yayehyirad - Addis Ababa University, Ethiopia

PS04-13: Impact of the Subsidized Rotavirus Vaccination Program in the Disaster-affected Area

Presenter: Toru Fuchimukai - Iwate Prefectural Ofunato Hospital, Japan

PS04-15: Issues of Disaster Medical Management for Children in Japan

Presenter: Miho Misaki - National Disaster Medical Center, Japan

PS04-16: Emergency Care in Cases of Occupational Traumas Among Members of a Vessel's Crew, on Sea Transport Ships of Northern Water's Basin

Presenter: Konstantin Shapovalov - State Autonomous Agency of Education Additional Professional Education of Republic of Komi "Komi Republican Institute for Development of Education", Russia

PS04-17: Perceived Collaboration during Mining Incidents - Focus Group Discussions with Mining Workers and Managers, Rescue Service Personnel, and Ambulance Personnel

Presenter: Sofia Karlsson - Umeå University, Sweden

PS04-18: Early Implementation of BLS, Determining the Effectiveness of Cardiopulmonary Resuscitation

Presenter: Grzegorz Michalak - Medical University of Warsaw, Poland



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PS04-19: Does EMS Performance Lead to a Reduced Number of Organ Donors?

Presenter: Markku Kuisma - Helsinki University Hospital and University of Helsinki, Finland

PS04-20: Cold Exposure After a Train Crash - An Experiment in a Cold Environment

Presenter: Jonas Aléx - Umeå University, Sweden

4:30PM - 6:00PM

CS28: Public Health

Chairs: Yasmin Khan & Sharon Tsoon Ting Lo

Room: Metropolitan Centre

- 4:30PM - 4:40PM **CS28-01: Women and Children at Risk for Disasters and ZIKV Victims in Brazil**
Presenter: Elaine Miranda - Federal Fluminense University, Brazil
- 4:40PM - 4:50PM **CS28-02: The Effect of Earthquake Hazards Induced by Natural Gas Mining on Medically Unexplained Physical Symptoms and Psychosocial Problems: A Longitudinal Analysis**
Presenter: Michel Dückers - NIVEL, Netherlands
- 4:50PM - 5:00PM **CS28-03: Evaluating the Health Impact of Disaster Inquiries in Australia**
Presenter: Joseph Cuthbertson - Monash University, Australia
- 5:00PM - 5:10PM **CS28-04: The Expert Group Health Research and Care after Disasters and Environmental Crises: An Analysis of Research Questions Formulated by Dutch Health Authorities for the Expert Group between 2006 and 2016**
Presenter: Dianne Alting - The National Institute for Public Health and the Environment (RIVM), Netherlands
- 5:10PM - 5:20PM **CS28-05: Conceptualizing the Essential Elements of Public Health Emergency Preparedness in Canada**
Presenter: Yasmin Khan - Public Health Ontario, Canada
- 5:20PM - 5:30PM **CS28-06: Improving Maternal, Newborn and Women's Reproductive Health in Crisis Settings: A Cochrane Systematic Review**
Presenter: Primus Che Chi - Karolinska Institutet/ Peace Research Institute Oslo, Sweden
- 5:30PM - 5:40PM **CS28-07: The Progress from the Acute Phase to Sub-Acute Phase in Disaster**



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Medical Assistance at the KUMAMOTO Earthquake on April, 2016

Presenter: Nakata Keiji - Kobegakuin University, Japan

- 5:40PM - 5:50PM **CS28-08: Efficacy of Mass Graves for Management of the Dead in Mass Disasters - A Retrospective Multi-Center Study**
Presenter: Clifford Perera - Faculty of Medicine University of Ruhuna, Sri Lanka

- 5:50PM - 6:00PM **CS28-09: Post-Disaster Recovery, Mental Health and Resiliency: The Role of Public Health Organizations**
Presenter: Melissa Genereux - Université de Sherbrooke, Canada

- 4:30PM - 6:00PM CS29: Health Systems**
Chairs: Elaine Daily & Patrycja Szepczynska
Room: Metropolitan West

- 4:30PM - 4:40PM **CS29-01: Developing a Minimum Summary Sheet for Sudden Onset Disasters: The UK, EMT Approach**
Presenter: Thomas Hughes - John Radcliffe Hospital, United Kingdom

- 4:40PM - 4:50PM **CS29-02: Development of a Secure and Resilient IT System to Deliver an Electronic Patient Record System for Use in a Disaster**
Presenter: Thomas Hughes - University of Oxford, United Kingdom

- 4:50PM - 5:00PM **CS29-03: Establishing mHealth Injury Surveillance Systems in Kenya**
Presenter: Isaac Botchey Jr - Johns Hopkins International Injury Research Unit, Johns Hopkins Bloomberg School of Public Health, United States

- 5:00PM - 5:10PM **CS29-04: Development of an Electronic Patient Record Structure for use in a Disaster Response**
Presenter: Thomas Hughes - John Radcliffe Hospital, United Kingdom

- 5:10PM - 5:20PM **CS29-05: High Prevalence of Acute Pancreatitis during the Ramadan Fast**
Presenter: Rona Zuker Herman - Rabin Medical Center, Israel

- 5:20PM - 5:30PM **CS29-06: Patient Safety in Greek Hospitals**
Presenter: Helen Pavlidou - General Hospital of Patras, Greece

- 5:30PM - 5:40PM **CS29-07: An Epidemiological Survey Correlating with Survival Probability in Cases of Abdominal Trauma in a Rural Setup**
Presenter: Anand Thawait - Maharishi Markandeshwar Institute of Medical Sciences and Research, Mullana, India



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- 5:40PM - 6:00PM **Conclusions**

- 4:30PM - 6:00PM CS30: Lessons from the Field**
Chairs: Patrizia Duda & Akif Donmez
Room: Metropolitan East

- 4:40PM - 4:50PM **CS30-02: Disaster Preparedness and Social Media: Experience from an Earthquake in Hawassa 2016**
Presenter: Temesgen Abicho - Addis Ababa University, Ethiopia

- 4:50PM - 5:00PM **CS30-03: "It Takes A Village": Integration of Emergency Management in Public Health Responses**
Presenter: Fayola Creft, iMPS/HLS-PHP, CEM, MPH - New York City Emergency Management, United States

- 5:00PM - 5:10PM **CS30-04: Maternity Care Model during a Natural Disaster or Humanitarian Emergency Setting in Rural Pakistan**
Presenter: Humaira Maheen - Deakin University, Australia

- 5:10PM - 5:20PM **CS30-05: The Social Impact of Terrorism on Civilian Populations - Lessons Learned from Decades of Terrorism in Israel and Abroad**
Presenter: Maya Siman-Tov - Gertner, Israel

- 5:20PM - 5:30PM **CS30-06: Crocodile Human Encounter Patterns in Sri Lanka**
Presenter: Lakmabhimana Pagoda - Sri Lanka Air Force, Sri Lanka

- 5:30PM - 5:40PM **CS30-07: Perceptions on Medical Clowns in the Israeli Field Hospital after the Nepal Earthquake**
Presenter: Uri Ilan - Hebrew University, Hadassah Jerusalem, Israel

- 5:40PM - 6:00PM **Conclusions**

- 4:30PM - 6:00PM CS31: Triage**
Chairs: Odeda Benin-Goren & Yarong He
Room: Queens Quay

- 4:30PM - 4:40PM **CS31-01: Computer Versus Manual Triage in a Live Disaster Simulation**
Presenter: Claudie Bolduc - McGill University Health Center, Canada

- 4:40PM - 4:50PM **CS31-02: Evaluation of Mass Casualty Triage Algorithms in a Pediatric**



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Population

Presenter: Nitya Reddy - Medical College of Georgia at Augusta University, United States

- 4:50PM - 5:00PM **CS31-03: Trilogie Pilot Study - Assessing the Efficacy of a Triage Sieve Educational Intervention using Non-medical Emergency Service Providers**
Presenter: Glen Cuttance - Flinders University, Australia
- 5:00PM - 5:10PM **CS31-04: Knowledge of the START Triage Method by Physicians and Nurses in a Tertiary Care Teaching Hospital**
Presenter: Nathalie Morissette - Centre Hospitalier de l'Université de Montréal, Canada
- 5:10PM - 5:20PM **CS31-05: Comparison of the Application Value of Three Evaluation Systems for Triage in Burned Patients**
Presenter: Peng Yao - West China hospital of Sichuan University, China
- 5:20PM - 5:30PM **CS31-06: Identifying Vulnerable Persons in the Community using Standard Clinical Assessment Data**
Presenter: Sandy Van Solm - University of Waterloo, Canada
- 5:30PM - 5:40PM **CS31-07: Analyzing the Emergency Triage Logbook Components of Road Traffic Accident Victims at AaBET Hospital in Addis Ababa, Ethiopia**
Presenter: Yonas Abebe - St. Paul's' Hospital Millennium Medical College, Ethiopia
- 5:40PM - 6:00PM **Conclusions**
- 4:30PM - 6:00PM CS33: Pediatrics**
Chairs: Vered Gazit & Raya Madar
Room: Yonge Room
- 4:30PM - 4:40PM **CS33-01: Assessment of Disaster Preparedness Among Select Children's Summer Camps in the United States**
Presenter: Stuart Bradin - University of Michigan, United States
- 4:40PM - 4:50PM **CS33-02: Challenging Assumptions: What do we Need to Address in our Disaster Risk Reduction Efforts?**
Presenter: Tudor Codreanu - University of Western Australia, Australia
- 4:50PM - 5:00PM **CS33-03: Disaster Risk Education of Final Year High School Students,**



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Requires a Partnership with Families and Charity Organizations: An International Cross-sectional Survey

Presenter: Tudor Codreanu - University of Western Australia, Australia

- 5:00PM - 5:10PM **CS33-04: A Brief Structured Educational Curriculum Improves Pediatric Emergency Department Staff's HAZMAT Response Skills**
Presenter: Elizabeth Hewett - Boston Children's Hospital, United States
- 5:10PM - 5:20PM **CS33-05: The Pediatric Disaster Mental Health Intervention. A Guide for Primary Care Providers**
Presenter: Michael Frogel - Maimonides Infants and Children's Hospital, United States
- 5:30PM - 5:40PM **CS33-07: Feasibility of the Novel Combination of Influenza Vaccinations, and Child Passenger Safety Seat Fittings, in a Drive-Thru Clinic Setting.**
Presenter: Ngoc Le - Saint Louis University/SSM Cardinal Glennon Childrens Hospital, United States
- 5:40PM - 5:50PM **CS33-08: Utility of Performing Serum Glucose Measurement and EKG in the Outpatient Evaluation of Pediatric Syncope**
Presenter: Ayush Gupta - Maimonides Medical Center, United States
- 5:50PM - 6:00PM **Conclusions**
- 4:30PM - 6:00PM WS18: Civil-Military Collaborative Operations - We're All in This Together**
Chair: Paul Farrell
Room: Wellington Room
- 4:30PM - 5:15PM **Panel: Unexplored Territory**
Presenter: Tom Kirsch, National Center for Disaster Medicine and Public Health, United States & Art Cooper, AADM, Canada & Jeanne LeBlanc, Behavioral Health, AADM, APA, Canada
- 5:15PM - 6:00PM **Panel: The Way Forward**
Presenter: Tony Redmond, University of Manchester, United Kingdom & James J. James, Society for Disaster Medicine and Public Health, United States & Attila J. Hertelendy, Florida International University, United States
- 4:30PM - 6:00PM WS20: Ethics - Research Ethics Oversight in Disasters and Public Health Emergencies**



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Chairs: Matthew Hunt & Lisa Schwartz
Room: Bay Room

This workshop focuses on ethics review and oversight of research in situations of disasters and public health emergencies. Workshop participants will include 1.) any interested conference attendees and 2.) members of the humanitarian health ethics network. Recent empirical research has identified challenges experienced by research ethics committees (REC) as they seek to provide timely, responsive and rigorous review of disaster protocols. Interviews with REC members and disaster researchers also reveal distinctive ethical considerations arising in disaster research, compared to research in other contexts, including questions related to the social value of research during crises, safeguards for especially vulnerable groups, security for research participants and researchers in volatile environments, and obstacles to community engagement, amongst others. Various innovations and approaches have been advanced in order to respond to these characteristics of disaster research and disaster research review. In this workshop, we will examine these strategies, and their merits and limitations, in relation to the distinctive ethical terrain of research in disasters and public health emergencies.