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

## Thursday, 27 April 2017

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

7:30AM - 8:30AM    **WS21: Public Health - How Do We Find Good Indicators for Measuring Disaster Preparedness?**  
Chairs: Yasmin Khan & Brian Schwartz  
Room: Metropolitan West

This panel will present a conceptualization of public health emergency preparedness derived from research in Canada. The context for performance measurement for health systems will be described. Considerations and challenges to developing criteria for selecting good indicators will be discussed, with a particular focus on approaches to rare events such as disasters.

7:30AM - 8:30AM    **WS22: Pharmacy - Activities of the Pharmacy Workforce in an Emergency: From Chaos to Vision**  
Chairs: Sylvain Grenier, Doris Nessim  
Room: Queens Quay

Identify activities performed by the pharmacy workforce before during and after an emergency/disaster situation;- Describe how the activities link back to core capabilities identified surrounding a disaster;- Identify which pharmacy workforce personnel are typically involved with the different activities.

7:30AM - 8:30AM    **WS23: Nursing - Conducting High Quality Research for Disaster Nurses: Challenges and Opportunities**  
Chairs: Sue Anne Bell & Kristin Ringstad  
Room: Bay Room

This will be an interactive workshop where attendees can bring their ideas for research and begin to develop a research proposal. Learning Objectives:- Participants will learn to describe types of research design and corresponding methodology;- Participants will demonstrate how to formulate a research hypothesis related to disaster nursing;- Participants will demonstrate understanding of developing a specific aims page.

7:30AM - 8:30AM    **WADDEM Special Interest Group Meeting**

Thursday, 27 April 2017



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Room: Wellington Room

8:45AM - 9:30AM

**PL04: Dr. Julie Hall, IFRC**

Room: Metropolitan Centre

9:30AM - 10:00AM

**PS05: Poster Session with Presenters Present**

Chairs: Brian Schwartz, Gordon Dodge, Janet Ellis & Yasmin Khan

Room: Frontenac Room

**PS05-01: Understanding the Psychological Impacts of Disasters on First Responders and Health Care Professionals in Magway, Myanmar**

Presenter: Kristin Ringstad - Global Environmental Health LAB, United States

**PS05-02: Enhancing Community Resilience during Emergencies by Building Organizational Resilience in Routine Times**

Presenter: Hadas Egozi Farkash - Ben Gurion University of the Negev, Israel

**PS05-03: First Official Disaster Relief Activities of the Japan DMORT Association in Collaboration with Police Department in the 2016 Kumamoto Earthquakes, Japan**

Presenter: Kazutoshi Kuboyama - Japan DMORT Association, Japan

**PS05-04: Optimal Protection of Networks in Social Media while Counteracting Disasters and Emergencies**

Presenter: Alessandra Rossodivita - Luigi Sacco University Hospital, Italy

**PS05-05: "It's What Binds Us Together": An Inside Perspective on the Benefits of Social Connection among Survivors, 5 Years after a Bus Crash, Sweden**

Presenter: Isabelle Doohan - Umeå University, Sweden

**PS05-06: Integral Care to Ground Transportation Accident Victims Attributed by Hospital Emergency Nurses**

Presenter: Regina Witt - Universidade Federal do Rio Grande do Sul, Brazil

**PS05-07: Context of the Care to the Ground Transportation Accident Victim in Hospital Emergency**

Presenter: Regina Witt - Universidade Federal do Rio Grande do Sul, Brazil

**PS05-08: Health: Seeking Behavior of Patients who Died of Rabies in the Komfo Anokye Teaching Hospital (KATH) Emergency Department in Ghana**



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Presenter: Abena Poku - Komfo Anokye Teaching Hospital, Ghana

**PS05-09: AAR and IP: Effective Tools to Improve Public Health Preparedness**

Presenter: Fayola Creft, iMPS/HLS-PHP, CEM, MPH - New York City Emergency Management, United States

**PS05-10: Community Awareness of Stroke, Hypertension and Modifiable Risk Factors for Cardiovascular Disease in Nkonya-Wurupong, Ghana**

Presenter: Cecilia Sorensen - Denver Health and Hospital Authority, United States

**PS05-11: Telemedicine Consultations in an All-Russian Center Disaster Medicine**

Presenter: Gennady Kipor - All Russian Center for Disaster medicine, Russia

**PS05-12: Evaluating Aviation Accidents in the World from 2003 to 2016**

Presenter: Ebru Inal - Yalova University, Turkey

**PS05-13: An Evaluation of Records Related to Dwelling Fires in the Central District of Yalova Province, Turkey**

Presenter: Edip Kaya - Hacettepe University, Turkey

**PS05-14: Was Internet Usage Effective on Radiation Protection After the Nuclear Disasters among General Workers in Fukushima?**

Presenter: Hideyuki Kanda - Shimane University, Japan

**PS05-16: Continuous Healthcare Support for People Living in Temporary Housings by Local Hospital Teams; Challenges After Earthquake, Tsunami and Fukushima Nuclear Disaster in 2011**

Presenter: Yohei Iwasaki - Minamisoma Municipal General Hospital, Japan

**PS05-18: Helping Health Information Go Viral: Building a Disaster Information Specialist Network**

Presenter: Jennifer Pakiam - National Library of Medicine, United States

**PS05-19: Evaluation of Disaster Education from a Pedagogical and Andragogical (Adult Learning Theory) Perspective and Recommendations**

Presenter: Ebru Inal - Yalova University, Turkey

**PS05-20: Granting the First Aid Event on the Spot, the Opinion of Team Members in the Medical Rescue Units in the Capital City of Warsaw**



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Presenter: Aneta Binkowska - Medical University of Warsaw, Poland

## 10:00AM - 12:00PM CS34: Public Health

Chairs: Melissa Genereux & Brian Schwartz

Room: Metropolitan Centre

- 10:00AM - 10:10AM **CS34-01: Impact of the 2011 Triple Disaster in Fukushima, Japan - An Earthquake, Tsunamis, and a Nuclear Power Plant Accident - Physical Performance of the Children: A Retrospective Cohort Study in Soma City, Fukushima**  
Presenter: Sae Ochi - Soma Central Hospital, Japan
- 10:10AM - 10:20AM **Q&A**
- 10:20AM - 10:30AM **CS34-03: Barodontalgia Among Sri Lankan Air Force, Air Crew**  
Presenter: Lakmabhimana Pagoda - Sri Lanka Air Force, Sri Lanka
- 10:30AM - 10:40AM **CS34-04: Occupational Health Issues among Non-traditional Response Workers following Hurricane Sandy**  
Presenter: Michael Reilly - New York Medical College, United States
- 10:40AM - 10:50AM **CS34-05: Impact of Health Department Worker Safety Training on Health Outcomes after Hurricane Sandy in New York City**  
Presenter: Michael Reilly - New York Medical College, United States
- 10:50AM - 11:00AM **CS34-06: The Occupational Health and Safety of First Responders and Health Care Professionals in Magway, Myanmar**  
Presenter: Kristin Ringstad - Global Environmental Health LAB, United States
- 11:00AM - 11:10AM **CS34-07: Implementation of Tabletop Exercises and Simulations to Improve Practical Skills in a Public Health Disaster Curricula**  
Presenter: Charles Little - University of Colorado Denver, United States
- 11:10AM - 11:20AM **CS34-08: An Analysis of Student Engagement Patterns and Course Outcomes in a Public Health and Disaster Online Course**  
Presenter: Chunlan Guo - The Chinese University of Hong Kong, Hong Kong
- 11:20AM - 11:30AM **CS34-09: A Public Health Emergency Simulation Tool for Enhanced Training in Emergency Preparedness and Response**  
Presenter: Kieran Moore - Queen's University, Canada



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- 11:30AM - 11:40AM **CS34-10: The Development of a Bioterrorism Response, A Guideline for Citizens in Korea**  
Presenter: Soon-Joo Wang - Hallym University, Republic of Korea
- 11:40AM - 12:00PM **Conclusions**
- 10:00AM - 12:00PM CS35: Health Systems**  
Chairs: Knox Andress & Elaine Daily  
Room: Metropolitan West
- 10:00AM - 10:10AM **CS35-01: Budgeting of a Local Government for Disaster and Health Crisis in Indonesia**  
Presenter: Bella Donna - Center for Health Policy and Management, Faculty of Medicine, Universitas Gadjah Mada, Indonesia
- 10:10AM - 10:20AM **CS35-02: Overview of the Project for Strengthening the ASEAN Regional Capacity on Disaster Health Management (ARCH Project)**  
Presenter: Yasushi Nakajima - System Science Consultants, Japan
- 10:20AM - 10:30AM **CS35-03: A New Framework and Guideline for Hospital Disaster and Emergency Planning in Turkey**  
Presenter: Sidika Tekeli Yesil- Hacettepe University Institute of Public Health, Turkey
- 10:30AM - 10:40AM **CS35-04: Using Rapid Improvement Event Methodology for Disaster Planning Improvement During Information Technology Failures**  
Presenter: Charles Little - University of Colorado Denver, United States
- 10:40AM - 10:50AM **CS35-05: An Accelerated Incident Command System Course for Hospital Leadership**  
Presenter: Charles Little - University of Colorado Denver, United States
- 10:50AM - 11:00AM **CS35-06: Emergency Preparedness amongst Health Professionals for a Mass Casualty Incident (MCI) in the State of Assam, India**  
Presenter: Utpal Kumar Tamuli - Academy of Trauma, India
- 11:00AM - 11:10AM **CS35-07: Health Risks of First Responders following a Meteorological Disaster**  
Presenter: Katie Subbotina - Paladin Security, Canada
- 11:10AM - 11:20AM **CS35-08: Functional quality indicators for assessing health care initial response to societal disturbances for education**



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Presenter: Jenny Pettersson - Centre for Teaching & Research in Disaster Medicine and Traumatology, Sweden

- 11:20AM - 11:30AM **CS35-09: A Cognitive Aid for Anesthetic and Operating Room Management during a Hospital Power Failure**  
Presenter: Grete Porteous - Virginia Mason Medical Center, United States
- 11:30AM - 11:40AM **CS35-10: Achieving 'Buy-In' for Climate Resiliency Initiatives in Health Systems**  
Presenter: Paul Biddinger - Partners HealthCare System, United States
- 11:40AM - 12:00PM **Conclusions**

**10:00AM - 12:00PM CS36: Lessons from the Field**  
Chairs: Patrizia Duda & Laurie Mazurik  
Room: Metropolitan East

- 10:00AM - 10:10AM **CS36-01: Developing a Multi-layered Bleeding Control Program in Your Community**  
Presenter: Matthew Levy - Howard County Government, United States
- 10:10AM - 10:20AM **CS36-02: Active Shooter Incidents - What are we Doing to Prepare?**  
Presenter: Marg Verbeek - Global Emergency Management Consulting Corp, Canada
- 10:20AM - 10:30AM **CS36-03: MDA Experience Dealing with Penetrating Injuries in Terrorist Incidents**  
Presenter: Chaim Rafalowski - Magen David Adom Israel, Israel
- 10:30AM - 10:40AM **CS36-04: Clinical Care for Sexual Assault Survivors (CCSAS): the Use of a Multimedia Training Tool.**  
Presenter: Nagi Souaiby - St Joseph University, Lebanon
- 10:40AM - 10:50AM **CS36-05: Paris Terrorist Attack on November 13, 2015 - Applying Wartime In-hospital Triage and Damage Control Strategies**  
Presenter: Bertrand Grand - Percy Military Teaching Hospital, France
- 10:50AM - 11:00AM **CS36-06: Lessons of Military Anesthesiologists after Terror Attacks in Paris. Comparison with Battlefield Experience.**  
Presenter: Jean Louis Daban - Percy Military Teaching Hospital, France



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- 11:00AM - 11:10AM **CS36-07: Pray for the Best, Prepare for the Worst: Cholera Treatment Ward Preparation of Novice Haitian Healthcare Staff**  
Presenter: Sean Smith - Critical-Care Professionals International, United States
- 11:20AM - 11:30AM **CS36-09: Thrombolysis of Acute Massive Bilateral Pulmonary Embolism: A Success Story in a Ghanaian Emergency Department**  
Presenter: Nkechi Dike - Komfo Anokye Teaching Hospital, Ghana
- 11:30AM - 11:40AM **CS36-10: Association Between Water Security, Disaster Risk Perception and Preparedness Behavior of a Rural Ethnic Minority Village in Chongqing, China: A Pilot Study**  
Presenter: Janice Ho - The Chinese University of Hong Kong, Hong Kong
- 11:40AM - 12:00PM **Conclusions**
- 10:00AM - 12:00PM CS37: Disaster Medicine Principles**  
Chairs: Emmanuel Rohrbacher & Pinchas Halpern  
Room: Queens Quay
- 10:00AM - 10:10AM **CS37-01: Disaster Preparedness for Clinics - Further Study from Haiti**  
Presenter: Benjamin Kaufman - SUNY Downstate, United States
- 10:10AM - 10:20AM **CS37-02: Simulating a Disaster - Preparing Responders in India**  
Presenter: Pia Daniel - Columbia University Medical Center, United States
- 10:20AM - 10:30AM **CS37-03: Assessment of Hospital Disaster Readiness: A Tertiary Care Teaching Hospital Experience**  
Presenter: Nathalie Morissette - Centre Hospitalier de l'Université de Montréal, Canada
- 10:30AM - 10:40AM **CS37-04: US Disaster Medicine Fellowships: What is Out There?**  
Presenter: Taha Masri - Department of Emergency Medicine, Beth Israel Deaconess Medical Center, United States
- 10:40AM - 10:50AM **CS37-05: YEW Disaster Severity Index: Proposal of a New Tool in Disaster Metrics**  
Presenter: Ying Ying Yew - Universidad De Oviedo, Spain
- 10:50AM - 11:00AM **CS37-06: Microchips, from a Disaster Perspective**  
Presenter: Reem AlFalasi - Department of Emergency Medicine, Beth Israel Deaconess Medical Center, United States



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- 11:00AM - 11:10AM **CS37-07: It's a crush... It's a collapse... It's... Wait, that's No Stamped!**  
Presenter: Sravani Alluri - Department of Emergency Medicine, Beth Israel Deaconess Medical Center, United States
- 11:20AM - 11:30AM **CS37-09: Canadian Hospital Disaster Preparedness**  
Presenter: Mohammad Fakhraldeen - McGill University, Canada
- 11:30AM - 12:00PM **Conclusions**
- 10:00AM - 12:00PM CS38: Simulation**  
Chairs: Caroline Filipowska & Lidia Mayner  
Room: Wellington Room
- 10:10AM - 10:20AM **CS38-02: Gaming: A Unique Way to Teach Active Shooter Preparedness and Response in Healthcare**  
Presenter: Paul Rega - University of Toledo, United States
- 10:20AM - 10:30AM **CS38-03: Simulating a Multi-Hazard Response: A Tabletop Exercise with Response Agencies in Belize**  
Presenter: Kimberly Hanson - CDC, United States
- 10:30AM - 10:40AM **CS38-04: Undergraduate Inter-Professional Collaboration in a Simulated Mass Casualty Incident**  
Presenter: Jeannette Waegemakers Schiff - University of Calgary, Canada
- 10:40AM - 10:50AM **CS38-05: A Table Top, Mass Casualty Incident Simulation to Identify Emergency Department Flow and Capacity Issues**  
Presenter: Manu Madhok - Children's Minnesota, United States
- 10:50AM - 11:00AM **CS38-06: Challenges in Conducting Disaster Simulations**  
Presenter: Ali Haedar - Faculty of Medicine, University of Brawijaya, Indonesia
- 11:00AM - 11:10AM **CS38-07: Conception d'un exercice de type ORSAN AMAVI mobilisant plus de 30 établissements hospitaliers pour le compte de l'ARS de Normandie**  
Presenter: Jan-Cedric Hansen - Société Française de Médecine de Catastrophe, France
- 11:10AM - 11:20AM **CS38-08: The 2016 International Simulation Drill of an Earthquake Disaster in Columbia: The Development of the Massachusetts General Hospital Emergency Medical Team**





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Presenter: Annekathryn Goodman - Massachusetts General Hospital, United States

- 11:20AM - 11:30AM **CS38-09: Austere Environment Immersion Training for Disaster and Emergency Medical Personnel**  
Presenter: Michael Reilly - New York Medical College, United States
- 11:30AM - 11:40AM **CS38-10: The Brooklyn Coalition Exercises Patient Movement in a Burn Mass Casualty Event**  
Presenter: Pia Daniel - Columbia University Medical Center, United States
- 11:40AM - 12:00PM **Conclusions**
- 10:00AM - 12:00PM CS39: Improving Emergency Medical Team Capacity**  
Chairs: Johan von Schreeb & Mason Leschyna  
Room: Yonge Room
- 10:00AM - 10:10AM **CS39-01: Quick Assessment of Intra Abdominal Pressure in an Emergency: An Option for Better Decision Making in Cases of Blunt Trauma Abdomen**  
Presenter: Sankalp Dwivedi - Maharishi Markandeshwar Institute of Medical Sciences and Research, Mullana, India
- 10:10AM - 10:20AM **CS39-02: Patient Isolation Units, Performance-Avoidance: A Patient with Heat Stress Risk during Temporary Isolation and Transportation by the EMS Biohazard Team**  
Presenter: Pavel Castulik - CBRNE Consultant, Czech Republic
- 10:20AM - 10:30AM **CS39-03: Emergency Medical Team Working Group for Minimum Data Set**  
Presenter: Tatsuhiko Kubo - University of Occupational and Environmental Health, Japan
- 10:30AM - 10:40AM **CS39-04: The Robot Physician's (RP-7) Management and Care in Unstable ICU Oncology Patients**  
Presenter: Alisher Agzamov - KCCC, Kuwait
- 10:40AM - 10:50AM **CS39-05: Training on EMT, CLS, CMAST and DMALS for the Lebanese Armed Forces**  
Presenter: Nagi Souaiby - St Joseph University, Lebanon
- 11:10AM - 11:20AM **CS39-08: Creation of a Novel Educational Liaison Position for the Emergency Medicine Residency Training Program at Addis Ababa University: A Model for**



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## Maturing Bi-institutional Educational Partnerships

Presenter: Cheryl Hunchak - Mount Sinai Hospital, Canada

- 11:20AM - 11:30AM **CS39-09: Undergraduate Emergency Medicine Program in Tanzania, "A Model for Resource Limited Setting"**  
Presenter: Said Kilindimo - Muhimbili University of Health and Allied Sciences, Tanzania
- 11:30AM - 11:40AM **CS39-10: Perceptions of Trainees toward Leadership, and Change Management Training, at Tikur Anbessa Specialized Hospital, Department of Emergency Medicine, April 2015**  
Presenter: Temesgen Abicho - Addis Ababa University, Ethiopia
- 11:40AM - 11:50AM **CS39-11: Medical Simulation as an Educational Tool: The Bridge Between the What-To and How-To**  
Presenter: Nkechi Dike - University of Cape Coast School of Medical Sciences, Ghana
- 11:50AM - 12:00PM **Conclusions**

## 10:00AM - 12:00PM **WS24: Pediatric - Disaster Medicine Around the World**

Chairs: Laura Weingarten & Vered Gazit

Room: Bay Room

Children are often the most visible victims of natural or manmade disaster. Despite their prominence in disaster imagery and awareness, academic work and policy often fail to address children's vulnerabilities or unique healthcare needs. The purpose of this moderated plenary is to see how different regions around the world care for children while preparing for, mitigating, responding to and recovering from disasters. This unique opportunity to hear from leading experts in the field of pediatric disaster preparedness is not to be missed!

## 12:10PM - 12:50PM **WS25: 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. 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



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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 **WS26: Public Health - Emergency Responses to Opioid Epidemic**

Chair: Kieran Moore

Room: Metropolitan West

Describe the origin of the current Opioid Epidemic in North America and discuss lessons learned;- Compare and contrast various frameworks to approach the Opioid Epidemic from local, provincial, and national levels;- Describe approaches to prevention, treatment, harm reduction and surveillance/enforcement relevant to the Opioid Epidemic;- Describe approach to novel opioids including illicit fentanyl and carfentanyl.

## 12:05PM - 12:55PM **WS27: Public Health - Implementing the Sendai Framework**

Chairs: Virginia Murray & Yasmin Khan

Room: Metropolitan East

The Sendai Framework and its relation to health was discussed at WADEM 2015. This panel is focussed on furthering discussion on the implementation of the Sendai Framework within the public health context . Specifically, the WHO Thematic Platform for Health Emergency & Disaster Risk Management Research Group will be emphasized. Examples on the focus for implementation include ensuring coherence and alignment of national, regional and global DRR frameworks and those related to emergency and disaster risk management for health such as the International Health Regulations (2005) and the Global Health Security Agenda.

- 12:05PM - 12:10PM Welcome and introductions  
Presenter: Yasmin Khan, Chair
- 12:10PM - 12:15PM Health aspects perspective on Sendai implementation and WHO Thematic Platform for Health Emergency and Disaster Risk Management Research Group  
Presenter: Virginia Murray, Consultant in Global Disaster Risk Reduction Public Health England
- 12:15PM - 12:20PM WHO Africa perspective on Sendai implementation  
Presenter: Ngoy Nsenga, WHO disaster risk management, WHO Office for Africa
- 12:20PM - 12:25PM WHO perspective of successes and challenges



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Presenter: Jonathan Abrahams, WHO Headquarters

- 12:25PM - 12:45PM Plenary discussion - posing above questions again to audience
- 12:45PM - 12:50PM Wrap up  
Presenter: Yasmin Khan, Chair

## 12:10PM - 12:50PM **WS28: The Key-Factors to Successfully Complete Your First Disaster Medicine Research Project**

Chair: Joost Bierens  
Room: Bay Room

This workshop is aimed at the novice researcher in disaster medicine, but also at the supervisors of novice researchers. In an interactive manner some of the most relevant aspects to prepare a good disaster medicine study will be discussed. Students and supervisors will be challenged to include their personal experiences and examples.

## 12:10PM - 12:50PM **WS29: Research - Frameworks for Disaster Research: Developing the Science**

Chair: Marv Birnbaum  
Room: Wellington Room

This presentation provides an overview of the Frameworks proposed by the WADDEM for use in studying the health aspects of disasters. These Frameworks, along with the Disaster Logic Model, are recommended for use in all epidemiological or interventional disaster health research. The Frameworks provide the necessary structure and defined terminology that will allow the study to be replicated universally and contribute useful information to build the science of disaster health.

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

Room: Frontenac Room

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

## 1:00PM - 3:00PM **CS40: Public Health**

Chairs: Brian Schwartz & Valentina Antonipillai  
Room: Metropolitan Centre



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- 1:00PM - 1:10PM **CS40-01: Tuberculosis in Southwestern Ontario Emergency Departments: A Missed Opportunity?**  
Presenter: Matt Douglas-Vail - Schulich School of Medicine and Dentistry, Canada
- 1:10PM - 1:20PM **CS40-02: Health Emergency and Disaster Risk Management (H-EDRM): Developing the Research Field within the Sendai Framework Paradigm**  
Presenter: Sharon Lo - The Chinese University of Hong Kong, Hong Kong
- 1:20PM - 1:30PM **CS40-03: Strengthening Health Disaster Risk Management in Africa: Multi-Sectoral and People-Centered Approaches are Required in the Post-Hyogo Framework of Action Era**  
Presenter: Stella Anyangwe - University of Pretoria, South Africa
- 1:30PM - 1:40PM **CS40-04: Integrating the Sendai Framework into Primary Health Networks: an Australian Experience**  
Presenter: Benjamin Ryan - Northern Queensland Primary Health Network; UNISDR Global Education and Training Institute; James Cook University, Australia
- 1:40PM - 1:50PM **Q&A**
- 1:50PM - 2:00PM **CS40-06: The National Health Security Strategy and Implementation Plan: An Overview**  
Presenter: Charlotte Spires - US Dept Health and Human Services, United States
- 2:00PM - 2:10PM **CS40-07: Feasibility of the Novel Combination of Influenza Vaccinations and Child Passenger Safety Seat Fittings in the Drive-Thru Clinic Setting**  
Presenter: Ngoc Le - Saint Louis University/SSM Cardinal Glennon Childrens Hospital, United States
- 2:10PM - 2:20PM **CS40-08: Epidemiology of Poisoning Patients Presenting to the Emergency Center of Princess Marina Hospital in Gaborone, Botswana**  
Presenter: Pon-Hsiu Yeh - New York Presbyterian Hospital, United States
- 2:20PM - 2:30PM **CS40-09: In the Drink: A Review of Morbidity and Mortality Associated with Water-Related Activities in the Top End region, Northern Territory, Australia**  
Presenter: Bevan Jenkins - Royal Darwin Hospital, Australia
- 2:30PM - 3:00PM **Conclusions**



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- 1:00PM - 3:00PM**      **CS41: Health Systems**  
Chairs: Marv Birnbaum & Angeliki Bistaraki  
Room: Metropolitan West
- 1:00PM - 1:10PM      **CS41-01: A Proposed Disaster Casualty Classification Framework**  
Presenter: Wang Wei - Fourth Military Medicine College, China
  - 1:10PM - 1:20PM      **CS41-02: The Challenges on Implementation of Pre-Disaster Efforts of Health Crisis Center (PPKK), Indonesia Ministry of Health (MoH) in 2014**  
Presenter: Sukma Panggabean - Indonesia Defense University, Indonesia
  - 1:20PM - 1:30PM      **CS41-03: Preparing the Public Health Workforce to Meet the Challenges of Rising Sea-Levels, Virginia**  
Presenter: S.M. Becker - Old Dominion University - College of Health Sciences, United States
  - 1:30PM - 1:40PM      **CS41-04: Hospital Health Resources Management: Impacts and Legacy of a Disaster in Brazil**  
Presenter: Regina Witt- Federal university of Rio Grande do Sul Brazil, Brazil
  - 1:40PM - 1:50PM      **CS41-05: What Should an African Health Workforce Know About Disasters? Proposed Competencies for Strengthening Public Health Disaster Risk Management Education in the African Region**  
Presenter: Stella Anyangwe - University of Pretoria, South Africa
  - 1:50PM - 2:00PM      **Q&A**
  - 2:00PM - 2:10PM      **CS41-07: Health Sector Preparedness for Disaster in a Small Island: A Case Study in West Seram District, Maluku Province**  
Presenter: Bella Donna - Center for Health Policy and Management, Faculty of Medicine, Universitas Gadjah Mada, Indonesia
  - 2:10PM - 2:20PM      **CS41-08: A Chain Approach to Risk Assessment for Regional Continuity of Care in Emergency And Disaster Medicine**  
Presenter: Roel Geene - Erasmus University Medical Center, Netherlands
  - 2:20PM - 2:30PM      **CS41-09: When Disaster Strikes what is the Role of the Local Primary Health Care Doctor?**  
Presenter: Penelope Burns - Australian National University, Australia
  - 2:30PM - 2:40PM      **CS41-10: Analysis of Disaster Related International Frameworks 2015-2016:**



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## Implications for WADEM

Presenter: Frank Archer - Monash University, Australia

• 2:40PM - 3:00PM

Conclusions

1:00PM - 3:00PM

**CS42: Lessons from the Field**

Chairs: Laurie Mazurik & Edip Kaya

Room: Metropolitan East

• 1:00PM - 1:10PM

**CS42-01: A Lethal Lapse: Envenomation and Ebola, Critical Gaps in Aid Worker Preparation**

Presenter: Sean Smith - Critical-Care Professionals International, United States

• 1:10PM - 1:20PM

**CS42-02: The Fatal Fruit: A Cautionary Tale in Situational Awareness**

Presenter: Sean Smith - Critical-Care Professionals International, United States

• 1:20PM - 1:30PM

**CS42-03: When a Little Human is Bitten Twice by a Large Venomous Snake: The Providers Disagree with the Original Consultant Recommendation**

Presenter: Benjamin Abo - University of Florida, United States

• 1:30PM - 1:40PM

Q&A

• 1:40PM - 1:50PM

**CS42-05: Nutrition Centers in Protracted Crisis Context: Field Study from Syria**

Presenter: Haytham Qosa - Canadian Red Cross, Canada

• 1:50PM - 2:00PM

**CS42-06: Applying the Experience of Level-2 Military Surgical Teams to Disaster Medicine**

Presenter: Przemyslaw Gula - Polish Armed Forces, Poland

• 2:00PM - 3:00PM

Conclusions

1:00PM - 3:00PM

**CS43: Prehospital Care and Transport Medicine**

Chairs: Sameer Mal & Annelies Scholliers

Room: Queens Quay

• 1:00PM - 1:10PM

**CS43-01: When Rescue Needs To Be Rescued: A Case Review of the Rollover of a Critical Care Ambulance with Patient on Board**

Presenter: Benjamin Abo - University of Florida, United States

• 1:10PM - 1:20PM

**CS43-02: Learnings from the National Medical Rescue Teams, Olympic Games**

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Presenter: Volkan Ülker - Bülent Ecevit University Faculty Of Medicine, Turkey

- 1:20PM - 1:30PM **CS43-03: Comparison of Efficacy in Dispatch-Directed CPR (DCPR) for Out-of-Hospital Cardiac Arrest, Depending on Professional Levels of Dispatchers in Multiple Centers in Israel**  
Presenter: Eli Jaffe - Magen David Adom in Israel, Israel
- 1:30PM - 1:40PM **CS43-04: Lessons from "Lehiwot Menor" Radio Show, and its Opportunities for Teaching Emergency Medicine to the Public in Ethiopia**  
Presenter: Yonas Abebe - St. Paul's' Hospital Millennium Medical College, Ethiopia
- 1:40PM - 1:50PM **CS43-05: Emergency Medical Service Usage and its Effect on Outcomes in Road Traffic Accident Victims in India**  
Presenter: Sravani Alluri - Department of Emergency Medicine, Beth Israel Deaconess Medical Center, United States
- 1:50PM - 2:00PM **CS43-06: PreHospital Care of Spinal Cord Injuries in India**  
Presenter: Kasha Rogers-Smith - Warwick Medical School, United Kingdom
- 2:00PM - 2:10PM **CS43-07: Cardiac Arrest, Are Two ALS Providers Better than One?**  
Presenter: Kelly Klein - UT Southwestern Medical Center at Dallas, United States
- 2:10PM - 2:20PM **CS43-08: Prehospital Monitoring of Vital Parameters Using a Novel Device - RespiHeart**  
Presenter: Johan Junker - Linköping University, Sweden
- 2:20PM - 2:30PM **CS43-09: Alert Function of Emergency Medical Information System: Securing Sufficient Time and Medical Resources in Mass Casualty Incidents**  
Presenter: Shinichi Nakayama - Hyogo Emergency Medical Center, Japan
- 2:30PM - 3:00PM **Conclusions**
- 1:00PM - 3:00PM CS44: Simulation**  
Chairs: Caroline Filipowska & Sohaib Chaudhry  
Room: Wellington Room
- 1:00PM - 1:10PM **CS44-01: Incorporating an Active Shooter Preparedness and Response Program into the Healthcare Students' Simulation Educational Curriculum**  
Presenter: Paul Rega - University of Toledo, United States





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- 1:10PM - 1:20PM      **CS44-02: Research Based to Maximize Effectiveness of Simulation for Hospital Disaster Plan (HDP) Teams in Indonesia**  
Presenter: Madelina Ariani - Center for Health Policy and Management, Faculty of Medicine, Universitas Gadjah Mada, Indonesia
  
- 1:20PM - 1:30PM      **CS44-03: Addressing Healthcare Personnel Preparedness in Disasters: An Introduction of a Participatory Design Educational Model in Greece**  
Presenter: Helen Pavlidou - General Hospital of Patras, Greece
  
- 1:30PM - 1:40PM      **CS44-04: High Fidelity Simulation With the Use of 360-degree Virtual Reality for Aeromedical Training in Search and Rescue**  
Presenter: Tiffany Yeung - Hong Kong Academy of Medicine, Hong Kong
  
- 1:40PM - 1:50PM      **CS44-05: Use of Virtual Reality in Motorsports Emergency Training**  
Presenter: Tiffany Yeung - Hong Kong Academy of Medicine, Hong Kong
  
- 1:50PM - 2:00PM      **CS44-06: Enhancing Disaster Preparedness Exercises with Virtual Reality Simulations**  
Presenter: Victor Cid - National Library of Medicine, United States
  
- 2:00PM - 2:10PM      **CS44-07: Simulation Exercises as Training and Evaluation Tool in an Ebola Preparedness Project**  
Presenter: Luzie Verbeek - Robert Koch Institute, Germany
  
- 2:10PM - 2:20PM      **CS44-08: Pilot Study: Utilization of Simulated Exercises to Teach Healthcare Students the Potential Benefits of Unmanned Aerial Vehicles to Respond to Environmental Health Issues Associated with Disasters**  
Presenter: Theodore Rader - University of Toledo, United States
  
- 2:20PM - 2:30PM      **CS44-09: Modeling Fear-Related Behaviors as Vectors of Transmission in the West Africa Ebola Pandemic**  
Presenter: James Shultz - University of Miami Miller School of Medicine, United States
  
- 2:30PM - 3:00PM      **Conclusions**
  
- 1:00PM - 3:00PM      CS45: Improving Emergency Medical Team Capacity**  
Chairs: Johan von Schreeb & Ayanthi Karunaratne  
Room: Yonge Room



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- 1:00PM - 1:10PM      **CS45-01: Paramedic Disaster Health Management Competencies: A Scoping Review**  
Presenter: Peter Horrocks - Queensland University of Technology, Australia
- 1:10PM - 1:20PM      **CS45-02: National Standards for Higher Education Programs in Disaster Management in Australia**  
Presenter: Sam Toloo - Queensland University of Technology, Australia
- 1:20PM - 1:30PM      **Q&A**
- 1:30PM - 1:40PM      **CS45-04: No Cost Solutions to Performance-Based Disaster Medical Education**  
Presenter: Kemp Anderson - Medical University of South Carolina, United States
- 1:40PM - 1:50PM      **CS45-05: Legal Accountability of International Emergency Medical Teams In Disasters**  
Presenter: Patrycja Szepczynska - Karolinska Institutet Centre for Research on Health Care in Disasters, Sweden
- 1:50PM - 2:00PM      **CS45-06: Developing AUSMAT's Rehabilitation Capacity: Applying the Technical Standards to Practice**  
Presenter: Erica Bleakley - Royal Darwin Hospital, Australia
- 2:00PM - 2:10PM      **CS45-07: Perceptions and Reflections of Emergency Medicine Graduates, Regarding the Toronto Addis Ababa Academic Collaboration in Emergency Medicine (TAAAC-EM) Curriculum: A Qualitative Evaluation Study**  
Presenter: Cheryl Hunchak - Mount Sinai Hospital, Canada
- 2:10PM - 2:20PM      **CS45-08: Hospital Workload for Weapon-Wounded Females Treated by the International Committee of the Red Cross - More Work Needed than for Males**  
Presenter: Måns Muhrbeck - Vrinnevi County Hospital, Sweden
- 2:20PM - 2:30PM      **CS45-09: War Surgical Treatment of Comminute Fractures Requires more Resources than Isolated Life Threatening Wounds**  
Presenter: Måns Muhrbeck - Vrinnevi County Hospital, Sweden
- 2:30PM - 3:00PM      **Conclusions**
- 1:00PM - 3:00PM      WS30: Nursing - Triage During a MCI: A Collaborative Effort**  
Chairs: Nicole Desi & Odeda Benin-Goren  
Room: Bay Room



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It would be a workshop/table top exercise. Begin with information on the different stages of stages, who, how and when. There would be open discussion and then groups then would form, hopefully with at least one person from each discipline where a scenario would be given and the groups would go through each stage of triage with this scenario and then present it. Group discussion to follow.

**3:15PM - 4:00PM**

**PL05: Dr. Pierre Carli, SAMU de Paris**

Room: Metropolitan Centre

**4:00PM - 4:30PM**

**PS06: Poster Session with Presenters Present**

Chairs: Lidia Mayner, Lorne Burns, Odeda Benin-Goren, Sean Smith & Toni Staykova

Room: Frontenac Room

**PS06-01: Advanced Simulation in Disaster Preparedness and Relief: The Gold Standard for Soft Skills Training**

Presenter: Alessandro Barelli - Catholic University Rome, Italy

**PS06-02: Find Me if You Can! An Interprofessional Search & Rescue Disaster Collaboration among Nurses, Physician Assistants and the Military**

Presenter: Heather Anderson - Indiana State University, United States

**PS06-04: Necessity of Disaster Training in Cooperation with Public Health Centers**

Presenter: Kayako Chishima - DMAT Secretariat, Japan

**PS06-05: Attempt of Communication and Collaboration, Web-NOLO to Prepare for Disaster in South Tama, Tokyo**

Presenter: Masamune Kuno - Nippon Medical School Tamanagayama Hospital, Japan

**PS06-06: Challenges for Cross-Jurisdictional Interoperability by Web-Based Situational Awareness System (SAS), Japan**

Presenter: Tetsunori Kawase - Hyogo Emergency Medical Center, Japan

**PS06-07: Situation Display for the EMS Dispatch Team during Multi-Casualty Incident Management**

Presenter: Eli Jaffe - Magen David Adom, Israel



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**PS06-08: Controlled Undertriage - Hazard or Benefit at Overcrowded Emergency Departments (EDs)?**

Presenter: Monika Bednarek - Jagiellonian University Medical College, Poland

**PS06-09: The Relevant Factors of the Early Prognosis and the Need of Intensive Medical Resources of Patients with Multiple Injuries**

Presenter: Di Hao - First Affiliated Hospital of Sichuan University, China

**PS06-10: Validation of CRISTO as a Triage Tool in Emergencies and Disasters**

Presenter: Pablo Jiménez - Universidad Tecnológica Equinoccial, Ecuador

**PS06-11: The Use of the Mobile Information and Communication Technologies in Mass-Casualty Incident and Disaster Management - A Medical Triage System**

Presenter: Arkadiusz Trzos - Jagiellonian University Medical College, Poland

**PS06-12: Results of Lectures and Training on Two Methods of Disaster Triage for Local Residents who are not Medical Personnel.**

Presenter: Makoto Mitsusada - Nerima-hikarigaoka Hospital, Japan

**4:30PM - 6:00PM**

**CS46: Emergency Department Overcrowding & Access to Care**

Chairs: Alan Drummond & Tudor Codreanu

Room: Metropolitan Centre

• 4:30PM - 4:40PM

**Q&A**

• 4:40PM - 4:50PM

**CS46-02: Creating a National Capacity for Mass Mechanical Ventilation in Disasters: A Methodology of Capability-building Under Stress**

Presenter: Pinchas Halpern - Tel Aviv Medical Center, Israel

• 4:50PM - 5:00PM

**CS46-03: Effect of Multivariate Factors on the Complication of Infection in Lushan Earthquake Victims: A Retrospective Analysis**

Presenter: Yarong He - West China Hospital, Sichuan University, China

• 5:00PM - 5:10PM

**CS46-04: Emergency Health Care Demand**

Presenter: Sam Toloo - Queensland University of Technology, Australia

• 5:10PM - 5:20PM

**CS46-05: Improvement in Success Rate of Intubation, Done by Non-Anesthetist Emergency Physician with the Implementation of Rapid Sequence Intubation (RSI) Protocol in the Emergency Department**

Presenter: Sanjeev Bhoi - All India Institute of Medical Sciences, India



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- 5:20PM - 5:30PM      **CS46-06: Selected Immunological Indicators in the Assessment of, Risk of Severe Complications after Major Trauma**  
Presenter: Aneta Binkowska - Medical University of Warsaw, Poland
  
- 5:30PM - 6:00PM      **Conclusions**
  
- 4:30PM - 6:00PM**      **CS47: Pharmacy**  
Chairs: Doris Nessim & Peng Yao  
Room: Metropolitan West
  
- 4:30PM - 4:40PM      **CS47-01: An Overview of the United States Strategic National Stockpile Capabilities and Formulary Decision-Making Through the Public Health Emergency Medical Countermeasures Enterprise**  
Presenter: Susan Gorman - Centers for Disease Control and Prevention, United States
  
- 4:40PM - 4:50PM      **CS47-02: Legislations to Support the Pharmacist's Role in Natural Disasters**  
Presenter: Regis Vaillancourt - Children's Hospital of Eastern Ontario, Canada
  
- 4:50PM - 5:00PM      **CS47-03: Ready, Willing, and Able: The Role of Pharmacists in Natural and Man-Made Disasters - Can We Do More?**  
Presenter: Kaitlyn Porter - Queensland University of Technology, Australia
  
- 5:00PM - 5:10PM      **CS47-04: Impact of Cyclone Yasi on Antidepressant and Anxiolytic Medication Use in Affected Areas of North Queensland**  
Presenter: Beverley Glass - James Cook University, Australia
  
- 5:10PM - 5:20PM      **CS47-05: A New Recipe for Disaster Training in Australia**  
Presenter: Elizabeth McCourt - Queensland University of Technology, Australia
  
- 5:20PM - 5:30PM      **CS47-06: Does Australian Continuing Professional Development Activities Prepare Pharmacists to Play a Role in Disasters?**  
Presenter: Elizabeth McCourt - Queensland University of Technology, Australia
  
- 5:30PM - 5:40PM      **CS47-07: Does Australian Pharmacy Curricula Prepare Students to Play a Role in Disasters?**  
Presenter: Elizabeth McCourt - Queensland University of Technology, Australia
  
- 5:40PM - 5:50PM      **CS47-08: Pattern of Acute Poisoning in a Large Tertiary Care Settings in Ghana**



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Presenter: Stephen Corquaye - Korle-Bu Teaching Hospital, Ghana

• 5:50PM - 6:00PM

Conclusions

4:30PM - 6:00PM

**CS48: Humanitarian Aid**

Chairs: Lynda Redwood-Campbell & Kirsten Johnson  
Room: Metropolitan East

• 4:30PM - 4:40PM

**CS48-01: There's an App for THAT!**

Presenter: Sean Smith - Critical-Care Professionals International, United States

• 4:40PM - 4:50PM

**CS48-02: In the Eye of Storm: A Haitian-Based Child Protection/Social Service NGO Responds to Hurricane Matthew**

Presenter: Sean Smith - Critical-Care Professionals International, United States

• 4:50PM - 5:00PM

**CS48-03: Disease Diplomacy for Humanitarian Aid and Conflict Reduction**

Presenter: Ilan Kelman - University College London (UK) and University of Agder (Norway), United Kingdom

• 5:00PM - 5:10PM

**CS48-04: Preparing for Receiving International Assistance following a Disaster - MDA Case Study**

Presenter: Chaim Rafalowski - Magen David Adom, Israel

• 5:10PM - 5:20PM

**CS48-05: MSF Experience with Testing Hybrid Model of Telemedicine During Humanitarian Intervention - Providing Distant Clinical Support in Madaoua, Niger**

Presenter: Fabien Schneider - Médecins Sans Frontières Canada, Canada

• 5:20PM - 5:30PM

**CS48-06: Capacity Building of Pharmacists in Humanitarian Aid, Brazil**

Presenter: Elaine Miranda - Universidade Federal Fluminense, Faculdade de Farmácia., Brazil

• 5:30PM - 5:40PM

**CS48-07: Changing Hearts and Minds, using Virtual Reality to Improve Empathy towards Refugees**

Presenter: Brad Keating - Colorado Springs Fire Department, United States

• 5:40PM - 5:50PM

**CS48-08: Mobile Health in Complex Emergencies: Preliminary Results from a Workshop, Lebanon, March 2017**

Presenter: Haytham Qosa - Canadian Red Cross, Canada

• 5:50PM - 6:00PM

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4:30PM - 6:00PM

## CS49: Pediatrics

Chairs: Laura Weingarten & Ali-Asghar Mulla

Room: Queens Quay

• 4:30PM - 4:40PM

### CS49-01: Introduction of Pediatric Acute Care into the Israeli Defense Forces (IDF) Field Hospital

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

• 4:40PM - 4:50PM

### CS49-02: Prepping for Peds: A Collaborative Approach to Improving Regional Pediatric Readiness in Oregon

Presenter: Jessica Bailey - Oregon Health & Science University, United States

• 4:50PM - 5:00PM

### CS49-03: Pediatric Critical Care Triage: Allocation of Scarce Resources

Presenter: Vicki Sakata - Northwest Healthcare Response Network, United States

• 5:00PM - 5:10PM

### CS49-04: Reunification Toolkit for Community Hospitals: Applying Education Principles to a Real World Problem

Presenter: Deanna Dahl Grove - UH Rainbow Babies and Children's Hospital, United States

• 5:10PM - 5:20PM

### CS49-05: Improving Disaster Preparedness for Children and Families: A National Curriculum for Pediatric Emergency Medicine Fellows

Presenter: Deanna Dahl Grove - UH Rainbow Babies and Children's Hospital, United States

• 5:20PM - 5:30PM

### CS49-06: Attitudes of Health Care Stakeholders Concerning Admitting and Treating Pediatric Trauma Casualties in Emergency Departments: A Qualitative Study

Presenter: Raya Madar - Ben-Gurion University of the Negev, Israel

• 5:30PM - 5:40PM

### CS49-07: Comparison of Formulas for Orotracheal Intubation Depth in the Pediatric Population

Presenter: Elizabeth Tan - Sengkang Hospital, Singapore

• 5:40PM - 5:50PM

### CS49-08: Assessment of Child Health in National Adaptation Programmes of Action for Climate Change

Presenter: Ilan Kelman - University College London (UK) and University of Agder (Norway), United Kingdom



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- 5:50PM - 6:00PM      **Conclusions**
  
- 4:30PM - 6:00PM      CS50: Simulation**  
Chairs: Lidia Mayner & Olurotimi Akinola  
Room: Wellington Room
  
- 4:30PM - 4:40PM      **CS50-01: Burn Disaster Planning and Simulation Event in Quebec, Canada**  
Presenter: Nathalie Morissette - Centre Hospitalier Universitaire de Montréal, Canada
  
- 4:40PM - 4:50PM      **Q&A**
  
- 4:50PM - 5:00PM      **CS50-03: Evaluating, Learning and Simulation Exercise for Efficacy, A Course on Advanced Prehospital Trauma Care**  
Presenter: Carl-Oscar Jonson - Linköping University, Sweden
  
- 5:00PM - 5:10PM      **CS50-04: An Electronic Competency-Based Evaluation Tool for Assessing Humanitarian Competencies in a Simulated Exercise.**  
Presenter: Andrea Evans - Hospital for Sick Children, Canada
  
- 5:10PM - 5:20PM      **CS50-05: A Social Network Analysis of the Emergency Medical Command During a Live CBRNE Exercise**  
Presenter: Carl-Oscar Jonson - Linköping University, Sweden
  
- 5:20PM - 5:30PM      **CS50-06: System Dynamic Simulation for Medical Needs in the Great East Japan Earthquake**  
Presenter: Shinichi Egawa - IRIDeS, Tohoku University, Japan
  
- 5:30PM - 5:40PM      **CS50-07: A Comparison of PC Screen Based vs High Fidelity Simulation Supported Instruction in terms of Learning Outcomes and Cost**  
Presenter: Kristine Qureshi - University of Hawaii at Manoa, United States
  
- 5:40PM - 5:50PM      **CS50-08: Self-Assessment of Intensive Care Nurses' Team Performance Compared with Intensive Care Nursing Students**  
Presenter: Ralf Kirchhoff - Norwegian University of Science and Technology, Norway
  
- 5:50PM - 6:00PM      **CS50-09: Large-Scale Disaster Simulations: Advancing Pediatric Disaster Preparedness and Safety through Whole-Hospital, Inter-Professional Learning**  
Presenter: Elene Khalil - Montreal Children's Hospital, Canada





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- 4:30PM - 6:00PM**      **CS51: Mass Gatherings**  
Chairs: Adam Lund & Christel Hendrickx  
Room: Yonge Room
- **4:30PM - 4:40PM**      **CS51-01: Event Medicine: An Evolving Academic Subspecialty in Emergency Medicine**  
Presenter: Paul Pepe - U.S. Metropolitan EMS (9-1-1 System) Medical Directors Coalition, United States
  - **4:40PM - 4:50PM**      **CS51-02: Evaluation of Public Health Aspects of the 100th "Walk of the World" International Four Day March Nijmegen**  
Presenter: Marije van Dalen - Public Health Service Gelderland-Zuid, Netherlands
  - **4:50PM - 5:00PM**      **CS51-03: Dutch Guidelines to Assess Risks of Mass Gatherings and Public-Health and Safety Measures**  
Presenter: F. V. A. Pot - National Office of Public Health and Safety (GGD GHOR Netherland), Netherlands
  - **5:00PM - 5:10PM**      **CS51-04: Factors Influencing Patron Egress from Nightclubs During Emergency Events**  
Presenter: Joyce Williams - Stevenson University, United States
  - **5:10PM - 5:20PM**      **CS51-05: Altered Mental Status at Music Festivals: A Case Study Examining Clinical Concepts and Controversies**  
Presenter: Matthew Munn - University of British Columbia, Canada
  - **5:20PM - 5:30PM**      **CS51-06: Camping, Cowboys, and Country Music: Patient and Resource Management at Canada's Largest Multi-Day Country Music Festival**  
Presenter: Mike Webster, ACP, BA, MA - Odyssey Medical, Canada
  - **5:30PM - 5:40PM**      **CS51-07: Global Mass Gatherings: Implications and Opportunities for Global Health Security**  
Presenter: Tina Endericks - Public Health England, United Kingdom
  - **5:40PM - 6:00PM**      **Conclusions**
- 4:30PM - 6:00PM**      **WS31: Public Health - Knowledge is Power: Education and Information for Preparedness and Response in Public Health Emergencies and Disasters**



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Chairs: Stacey Arnesen & Jennifer Pakiam

Room: Bay Room

Zika, Ebola, hurricanes, earthquakes, even antibiotic-resistant microbes - public health emergencies cover a wide-range of events and disaster medicine and public health professionals are expected to be experts in anticipating, preparing, and responding to all of them. Educational resources and information tools from the U.S. Assistant Secretary for Preparedness and Response (ASPR), the US National Library of Medicine (NLM) and the U.S. National Center for Disaster Medicine and Public Health (NCDMPH) help the people on the front lines of health keep informed and up-to-date so they can better serve their diverse communities. Scenarios depicting sudden-onset events, emerging infectious diseases, hazmat/CBRNE incidents, and unique issues of specific populations will be used to demonstrate how various tools and resources from ASPR, NLM and NCDMPH can be used to prepare for, respond to, and recover from a wide variety of incidents. Tools and resources that will be discussed and demonstrated in the scenarios include: PHE.gov - <http://phe.gov> NLM Disaster Health - <http://disasterinfo.nlm.nih.gov> NCDMPH Knowledge and Learning - <http://ncdmpm.usuhs.edu> Sudden onset events include natural disasters as well as HazMat and CBRN incidents. Emergency response tools such as WISER, CHEMM, and REMM will be demonstrated to assist with both planning and responding to these types of incidents. The emPOWER map from ASPR helps identify and meet the needs of people who rely on electrically powered medical and assistive equipment. Resource guides from NLM and topic collections from ASPR provide "just what I need information, just in time" for natural disasters and other sudden onset events. Engaging with communities to identify their needs following a disaster is critical and NowTrending, uses real time information from Twitter to identify major issues to address. Quality information from trusted sources describing what is known about the disease is critical to develop an informed response. As new information becomes available, guidelines and recommendations need to be updated and disseminated quickly. ASPR, NLM, and NCDMPH ensure the collection of this material and disseminate it widely to all affected communities. Many groups have unique or specific needs in disasters and public health emergencies. Resources and tools from NLM and NCDMPH look at the needs of a variety of special populations including children, pregnant women, and people with access and functional needs. Participants will gain an understanding of the various tools offered by three agencies and will have an opportunity to practice using the resources in a series of guided scenarios. (Note: Participants are encouraged to bring a laptop, tablet, or smartphone for the exercises and scenarios.)



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6:15PM - 7:15PM

**WS32: Pharmacy - Fort McMurray Wild Fire and other Mass Fire Evacuations: So You Think you are Prepared?**

Chair: Neil Cameron, Doris Nessim

Room: Metropolitan West

Neil Cameron is a practicing community pharmacist in Athabasca, Alberta, who has worked through three Alberta Wildfire evacuations since 2011, most recently the Fort McMurray Wildfire in May of 2016. This session will inform the attendees of each of the three wildfires and the unique experiences Neil worked through to accommodate evacuees, collaborate with other healthcare professionals, and emergency response agencies. From the Slave Lake Fire of 2011, Wabasca Fire of 2015, and the Fort McMurray Fire of 2016, Neil has experienced a disaster response that was totally unprepared, to a prepared response, how each was different, the same, and the profound effects each has had. Given the geographical location of Athabasca, it was a natural egress point from all three Fire Evacuations. Neil will also speak to one's individual emergency awareness, preparedness and capacity to assist in disaster situations. Having grown up in Fort McMurray, this evacuation had a profound personal effect. Neil will explain how this affected his capacity to assist and how to incorporate his learnings into part of your self-assessment for Emergency Preparedness/Capacity.