

PUBLIC HEALTH & DISASTERS

2015 Conference Program

Public Health & Disasters 2015 Program

Sunday, May 10, 2015

6:00pm - 9:00pm **REGISTRATION**, Entrance
6:00pm - 9:00pm **EVENING RECEPTION**, Patio

Monday, May 11, 2015

7:30am - 4:00pm **REGISTRATION**, Foyer B

7:30am - 8:30am **BREAKFAST**, Prospector 4

8:30am - 8:45am **WELCOME**, Prospector 2 & 3
Kimberley Shoaf, DrPh, Associate Professor, Associate Chief of Community Engagement, Division of Public Health, Department of Family & Preventive Medicine, University of Utah

8:45am - 9:30am **KEYNOTE ADDRESS**, Prospector 2 & 3
Ebola Virus Disease: Whole Community Approach builds Resilience Capacity
Gavin Macgregor-Skinner, BVSc, MSc, MPH, MRCVS, Assistant Professor, Public Health Preparedness for Disasters and Terrorist Emergencies, Pennsylvania State University

COURSE DESCRIPTION: Given the advanced state of the epidemic and the cultural and social ecologies most profoundly affected by Ebola, stopping the transmission and translocation of Ebola was no longer feasible through medical isolation and palliative clinical care alone. This session will evaluate and gain understanding of the following concepts: Ebola focused Biorisk management assessments of U.S. hospitals and health care facilities were conducted to identify who and what needs to be protected and how to implement with minimal disruption to normal operations at each healthcare facility; creation and strengthening of horizontal information systems to mobilize civil society to address the very large gaps within local communities; metrics used to assist U.S. hospitals and health care clinics in preparedness and ensure they are all focused on consistent performance using checklists and scorecards.

9:30am - 10:30am **PLENARY SESSION**, Prospector 2 & 3
Collaboration Between Public Health and Other Organizations:
Dahna Batts, MD, Senior Medical Officer, Centers for Disease Control and Prevention

COURSE DESCRIPTION: Federal preparedness capabilities have put considerable emphasis on building and strengthening community partnerships and collaborations. Improved partnerships could strengthen a community's ability to respond to a surge in patients on the healthcare system during a public health emergency. The session will describe how CDC's Healthcare Preparedness Activity (HPA) works with partners to develop tools to improve integration and coordination within a community healthcare system. HPA provides planning resources and tools as well as emergency preparedness, response and recovery information to improve collaboration between public health, healthcare, emergency medical services (EMS), and emergency management sectors.

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10:30am – 11:00am **BREAK**, *Foyer C*

11:00am – 12:30pm **PLENARY SESSION**, *Prospector 2 & 3*

Panel Discussion: Hospital Coalitions and Emergency Preparedness for Catastrophic Events

Eric Toner, Senior Associate, UPMC Center for Health Security

Kevin McCulley, Public Health and Medical Preparedness Manager, Utah Department of Health

Melissa Harvey, RN, MSPH, Acting Deputy Director, Division of National Healthcare Preparedness Programs, Office of the Assistant Secretary for

Preparedness and Response, US Department of Health and Human Services

Onora Lien, Executive Director, Northwest Healthcare Response Network

COURSE DESCRIPTION: Healthcare Coalitions are one common model by which local communities collaborate for healthcare emergency preparedness and response. These coalitions are now a focus of federal hospital preparedness guidance and funding. This panel will explore the role and functions of these coalitions from different perspectives.

12:30pm – 2:00pm **LUNCH**, *Prospector 4*

2:00pm – 3:30pm **BREAKOUT SESSION A**, *Silver Mine A*

Disaster Simulations and Government Response to Disasters

Kevin McCulley, Public Health and Medical Preparedness Manager, Utah Department of Health

COURSE DESCRIPTION: Immersive simulation is a technique used in the academic setting to enhance teamwork while performing critical skills in a high stress environment. Current use of exercise play may test standard operating procedures but does not include higher level learning outcomes such as communication, collaboration, and all elements of crisis resource management. Higher level learning outcomes reinforces participant acquisition of essential teamwork skills needed in a disaster situation. Simulations such as an escalating pandemic event requiring altered standards of care will be demonstrated. Participants will use newly acquired knowledge such as triage, patient evacuation or life-saving interventions. Environmental modifications will be demonstrated. The simulation experience will conclude with an example and practice of a facilitated debriefing which differs in content and approach from traditional after action report. We will discuss the benefits of academia joining forces with interagency disaster preparedness experts to develop education that has local relevance, and is built upon concepts that can be applied in an all hazard approach. The over-arching goal is to educate participants together just as they will work together in an actual disaster. We demonstrate a collaborative approach creating simulations using real-life experiences of the interagency experts and the simulation education methodology from faculty results in robust and true-to-life simulation experiences.

2:00pm – 3:30pm **BREAKOUT SESSION B**, *Silver Mine B*

Catastrophic Disaster Planning and Preparation

Michael McClendon, Director, Office of Public Health Preparedness & Response, Harris County Public Health & Environmental Services



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COURSE DESCRIPTION: Think you can plan for alternate care and mass fatality events alone? Mass care and mass fatality events are complex multi-faceted beasts that will involve numerous coordinated partner efforts for pre-planning, and management. Come and hear how through continuous planning, training, exercising, community engagement efforts and lessons learned from real events, mass care/mass fatality preparedness and a brief on Ebola readiness. Harris County Public Health and Environmental Services, along with other regional partners, NGO's, private sector and volunteer organizations is trying to stay ahead of the curve when planning for the more complex issues around infectious disease or natural disasters.

12:30pm – 2:00pm

BREAK, Foyer C

4:00pm – 5:30pm

BREAKOUT SESSION C, Silver Mine A

Safety Training for Disaster Response and Recovery Workers

Sue Ann Sarpy, PhD, Principal, Sarpy and Associates, LLC

COURSE DESCRIPTION: In response to the Deepwater Horizon disaster, the National Institute of Environmental Health Sciences helped facilitate safety training presented to over 147,000 disaster workers (e.g., on-shore and off-shore volunteers, technical specialists) across the four Gulf States. The Gulf Oil Spill (GOS) safety training was designed to assist disaster workers in rapid and efficient mitigation of continued environmental contamination while ensuring minimal impact to public health. A comprehensive evaluation process was designed to assess effectiveness of the GOS safety training. While results of the evaluation were generally positive, significant and meaningful differences were found with respect to the training-related opinions, knowledge, skills, abilities and behaviors reported among the various disaster worker sub-populations. Results will be discussed vis-à-vis making quality improvements to disaster worker safety training, identifying best practices, and making better use of available resources and strategies. Implications for strengthening related disaster worker safety programs in the Gulf South (e.g., Gulf Responder Resiliency Training Project) and in other regions (e.g., safety trainings for Hurricane Sandy workers) will be discussed.

4:00pm – 5:30pm

BREAKOUT SESSION D, Silver Mine B

The Legal and Ethical Issues of Quarantine and Isolation

Lance Gable, JD, MPH, Associate Dean for Academic Affairs and Associate Professor of Law, Wayne State University Law School

COURSE DESCRIPTION: This session will address legal and ethical issues related to the use of quarantine and isolation powers by governments. While quarantine and isolation powers may play an important role in stopping the spread of infectious disease, these powers also greatly restrict freedom of movement and autonomy. Determining when these powers are appropriate to use requires consideration of legal, ethical, and practical factors. Recent outbreaks of Ebola and measles render this discussion very timely.

6:30pm – 8:30pm

DINNER & A DISASTER MOVIE, Prospector 2 & 3



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Tuesday, May 12, 2015

8:00am – 4:00pm **REGISTRATION**, Foyer B

8:00am – 9:00am **BREAKFAST**, Prospector 4

9:00am – 10:30am **PLENARY SESSION**, Prospector 2 & 3
Health Sector Preparedness in Brazil for the World Cup (2014) and Olympic Games (2016)
Claudia Osorio de Castro, Senior Researcher, Sergio Arouca National School of Public Health

COURSE DESCRIPTION: Mass events may be very different regarding number of people, type of attendance and nature of the event but very much alike as to the need for in-place capacity and provision of healthcare. Preparedness for mass events is carried out in the same way as for disasters: emergency response based on identification of hazards. In Brazil private and public hospitals as well as reference hospitals were assigned for front-line response during the 2014 FIFA World Cup. We will present and discuss hazard expectations among health managers in host municipalities of the 2014 FIFA World Cup and possible outcomes in regard to hospital structure and capacity at the time of the event.

10:30am – 11:00am **BREAK**, Foyer C

11:00am – 12:30pm **PLENARY SESSION**, Prospector 2 & 3
Boston Marathon Bombing & Public Health Emergency Response
S. Atyia Martin, LP.D., MPS-HSL, EMT-B, Director, Office of Public Health Preparedness, Boston Public Health Commission

COURSE DESCRIPTION: This course will provide an in-depth overview of two major disasters that impacted public health and healthcare in the City of Boston. In 2013, over 280 people sought medical care as a direct result of two bombs detonated in the area of the Boston Marathon finish line. Less than two years later, Boston experienced the snowiest winter on record as the result of a series of weekly storms at the end of January and through February. Although many smaller scale emergencies occurred during the time between these incidents, the focus of this course will be these larger emergencies which exhausted the capacity and endurance of the public health and healthcare system.

12:30pm – 2:00pm **LUNCH**, Prospector 4

2:00pm – 3:30pm **BREAKOUT SESSION A**, Silver Mine A
Ebola Standard Operations at a Local Level
Matt Baca, BSHA, DRIC, TLO, Public Health Program Coordinator, Preparedness and Response Program, Department of Public Health, County of San Bernardino

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COURSE DESCRIPTION: The Ebola Virus Disease (EVD) Standard Operating Guidance at a Local Level break out session will showcase how the Incident Command System (ICS) may be applied to public health emergency operations and response. The presentation will discuss the California Public Health and Medical Emergency Operations Manual (EOM) and its application to an EVD response through the use of standard operating guidelines. A current worldwide status on EVD will be provided as well as situational awareness tied into local monitoring of travelers. Also, a real world update in Liberia, "The David Yleah Story- Boots on the Ground" will be featured.

2:00pm – 3:30pm

BREAKOUT SESSION B, Silver Mine B

Electronic Absenteeism Surveillance: A Collaborative Effort

Lisa Gren, PhD, Associate Professor, Division of Public Health, Department of Family & Preventive Medicine, University of Utah
Sarah Willardson, MPH, Epidemiologist, Davis County Health Department

COURSE DESCRIPTION: In this presentation, we will discuss the development of a web-based platform for surveillance of school absenteeism as a marker for infectious disease outbreaks. The rationale for a platform that uses 2-way data communication will be described, along with features desired by school and health department users. We will present and discuss statistical process control charts, and sensitizing rules, as a tool used to identify potential outbreaks. Feedback from potential users (health department and school personnel) will be presented as we discuss plans for future refinements.

3:30pm – 4:00pm

BREAK, Foyer C

4:00pm – 5:30pm

BREAKOUT SESSION C, Silver Mine A

Rapid Emergency Alert Communication in Health Trial - PERRC

Ian Painter, PhD, Clinical Assistant Professor, Health Services, School of Public Health, University of Washington

COURSE DESCRIPTION: During this session, we will discuss Rapid Emergency Alert Communication in Health (REACH) Trial and communication methods used by Public Health Agencies for health alerts and advisories.

4:00pm – 5:30pm

BREAKOUT SESSION D, Silver Mine B

Global Public Health Emergency Response

Jesse C. Bliss, MPH, Assistant Dean, LLU Office of Public Health Practice, Center for Public Health Preparedness, Native American Health Liaison, LLU School of Public Health

COURSE DESCRIPTION: During this session, we will discuss my experience responding to international disasters and assessing health impacts and immediate emergency response needs.

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Wednesday, May 13, 2015

8:00am – 1:00pm **REGISTRATION**, Foyer B

8:00am – 9:00am **BREAKFAST**, Prospector 4

9:00am – 10:00am **PLENARY SESSION**, Prospector 2 & 3
Engaging Communities to Make Disasters Less Disastrous – The View from the U Stephen C. Alder, Ph.D., Academic Senate President, Professor and Chief, Division of Public Health, Department of Family and Preventive Medicine, University of Utah

COURSE DESCRIPTION: Community-engagement has been used as a strategy for enhancing the capacity of communities to be self-determined in setting, achieving and maintaining goals – including successfully responding to events qualifying as disasters and restoring order. Community engagement in preparation for and response to global and local settings will be reviewed, including natural disasters, infectious disease epidemics and human caused events. Principles and practical recommendations for establishing effective community engagement will be discussed.

10:00am – 11:00am **PLENARY SESSION**, Prospector 2 & 3
Community Engagement in Catastrophic Events
Umair A. Shah, MD, MPH, Executive Director, Harris County Public Health & Environmental Services

COURSE DESCRIPTION: In this presentation, we will examine effective ways to engage the community during catastrophic events. We will discuss key components to effective engagement, understanding the purpose of raising awareness, and how engagement influences outcomes during emergencies and catastrophic events.

10:30am – 11:00am **BREAK**, Foyer C

11:00am – 12:30pm **CLOSING PLENARY SESSION**, Prospector 2 & 3
Relationships and the Road to Resiliency
Ellis M. Stanley, Sr.

COURSE DESCRIPTION: This course will discuss the importance of building relationships between key local and state health and emergency management organizations, and using evidence based research to support emergency preparedness, response, and recover activities.

12:30pm – 1:00pm **CLOSING**, Prospector 2 & 3

REGISTRATION, Foyer B

***This area will be used for Registration, Continuing Education, and Information.
Please stop by if you have any questions, comments, or concerns.***

- Please complete and return your overall conference evaluation to Registration.
- If you are completing Continuing Education, please be sure to complete the evaluation questions for each session that you attend.

Join the Public Health Professional Education Program for the upcoming events:

Executive Leadership Series: September 17-18, 2015
Location: TBD

Core Leadership Series: November 2015
Location: Salt Lake City, UT

Emerging Leadership Series: January 2016
Location: Salt Lake City, UT

Public Health & Disasters: May 1-4, 2016
Location: TBD

More information about the new University of Utah
Public Health Learning Management System
(UUPH LMS) coming soon!

The UUPH LMS will contain a collective of
online trainings, webcasts, and a calendar of
upcoming live events.



Public Health Professional Education
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