

DISASTER EPIDEMIOLOGY REGIONAL TRAINING



Overview

- April 25-26, Los Angeles
- CSTE coordinated bringing together 3 existing federal tools for epidemiologists in disaster settings
 - ▣ Assessment of Chemical Exposures (ACE) - ATSDR
 - ▣ Community Assessment for Public Health Emergency Response (CASPER) - NCEH
 - ▣ Emergency Responder Health Monitoring and Surveillance (ERHMS) – NIOSH
- Targeted state and local public health epidemiologists

Sponsors



COUNCIL OF STATE AND
TERRITORIAL EPIDEMIOLOGISTS

Attendees

- Total: 70
- Jurisdictions
 - ▣ Federal: 5+
 - ▣ State Health Departments/Agencies: 10+
 - ▣ Local/County Health Departments: 33+
 - ▣ Academia: 4+
- Positions
 - ▣ Directors/Health Officers: 10+
 - ▣ Emergency Managers/Coordinators: 5+
 - ▣ Epidemiologists: 20+
 - ▣ Graduate Students: 4+
 - ▣ CSTE Fellows: 2

Agenda

- Large group (1 / 2 day)
 - ▣ Welcome, introductions, and overview
 - ▣ Local experience – H1N1
 - ▣ State experience – chemical releases
- Tracks (1 day)
 - ▣ CASPER
 - ▣ ERHMS
 - ▣ ACE
- Large group (1 / 2 day)
 - ▣ Brief presentations on CASPER, ERHMS, ACE
 - ▣ Evaluation and next steps

Assessment of Chemical Exposures

- ❑ Sponsoring organization: ATSDR
- ❑ Trainers: Mary Ann Duncan, Candis Hunter
- ❑ Description: Covers performing a rapid assessment after a large-scale chemical release, including assessing exposure, health effects, impact on the health care system, and the emergency response.



ACE Goals and Objectives

- Goal: Build capacity for conducting a rapid assessment after a large-scale chemical release
- Objectives:
 - ▣ Describe when it is useful to perform an assessment after a chemical release
 - ▣ Explain how to plan an ACE investigation
 - ▣ Conduct interviews using ACE survey tools
 - ▣ Understand how to manage and analyze ACE data using Epi Info™ 7
 - ▣ Show ways that the data from a rapid assessment after a chemical release can be used



ACE Training Outline

- Introduction, ACE questionnaires and consent forms
- Deploying on an ACE investigation
- Planning the investigation
- Data management (Epi Info7)
- Data analysis (Epi Info7)
- Discussion with partners who have been in the field with the ACE team

Community Assessment for Public Health Emergency Response (CASPER):

- ❑ Sponsoring organization: NCEH
- ❑ Trainers: Amy Schnall and Sara Vagi
- ❑ Description: A rapid assessment of the health status and basic needs of a disaster-affected community. Data are gathered using valid statistical methods in order to provide accurate information and allow public health and emergency managers to prioritize their responses and rationalize the distribution of resources.



CASPER Goals and Objectives

- Goal: Build capacity for conducting the CASPER
- Objectives:
 - ▣ Describe the role of a CASPER
 - ▣ Define when to conduct a CASPER,
 - ▣ Explain why a multi-stage cluster sampling design is used in CASPER,
 - ▣ Assist in conducting a CASPER response,
 - ▣ Select appropriate households to survey when given a map of a cluster, and
 - ▣ Understand how to analyze and interpret results of a CASPER



Time	Day 1: April 25, 2012	Presenter
Morning Session: 10:15-12:00		
10:15 – 10:30	CASPER Overview	Amy Schnall
10:30 – 11:00	HSB previous CASPER experience	Sara Vagi
11:00 – 11:30	CASPER benefits for public health	Amy Schnall
11:30 – 12:00	Preparing for CASPER	Sara Vagi
Afternoon Session: 1:00-5:00		
1:00 – 1:30	Survey question design	Sara Vagi
1:30 – 2:00	Review questionnaire	ALL
2:00 – 2:45	CASPER sampling	Amy Schnall
2:45 – 3:00	BREAK	ALL
3:00 – 3:15	Conducting CASPER in the field	Sara Vagi
3:15 – 4:00	Completing forms	Amy Schnall
4:00 – 4:15	Interview techniques	Sara Vagi
4:15 – 5:00	Discussion	ALL
Day 2: April 26, 2012		
Morning Session: 8:00-12:30		
8:00 – 8:45	Analyzing CASPER data w/Epi Info	Sara Vagi
8:45 – 9:00	Interpreting CASPER results & writing reports	Amy Schnall
9:00 – 9:15	BREAK	ALL
9:15 – 11:00	CASPER case study	Groups
11:00 – 12:30	Discussion, wrap-up, and questions	Amy Schnall

Emergency Responder Health Monitoring and Surveillance (ERHMS):

- ❑ Sponsoring organization: NIOSH
- ❑ Trainers: Renee Funk, Bruce Bernard
- ❑ Description: Covers protecting emergency responders before, during, and after an event, particularly around the issues of health monitoring and surveillance.



ERHMS Objectives

- Identify the need for and value of conducting monitoring and surveillance of emergency responders, contractors, and volunteers involved in response to an incident.
- Identify components needed for an emergency responder health monitoring and surveillance system before, during, and after emergency events.
- Identify documents and tools that can be adapted for their own agency's emergency responders.
- Assess current emergency responder health monitoring and surveillance activities, identify gaps, and practical next steps for filling them.



ERHMS Training Outline

- Pre-deployment Phase
 - ▣ Rostering and Credentialing of Emergency Response and Recovery Workers
 - ▣ Health Screening
 - ▣ Health and Safety Training
 - ▣ Data Management and Information Security
- Deployment Phase
 - ▣ On-site Responder In-processing
 - ▣ Health Monitoring and Surveillance During Response Operations
 - ▣ Integration of Exposure Assessment, Responder Activity Documentation, and Controls into ERHMS
 - ▣ Communications of Exposure and Health Monitoring and Surveillance Data During an Emergency Response
- Post-Deployment Phase
 - ▣ Responder Out-processing Assessment
 - ▣ Post-Event Tracking of Emergency Responder Health and Function
 - ▣ Lessons-learned and After-action Assessments
- Exercise



Next Steps

- Evaluation ongoing
- Hold similar trainings elsewhere?
 - ▣ Where?
 - ▣ Funding?
 - ▣ Similar content?
 - ▣ Similar schedule?