Determining Risks to the Health of Maryland’s Local Jurisdictions Using a Public Health Risk Assessment Tool

Presented by: Amanda E. Mason, CPH
ScM Candidate
JHSPH PHASE Intern
Friday, May 11, 2012
Overview

- Internship Goals
- Process
  - Introduction to Public Health Emergency Preparedness (PHEP)
  - PHEP Capabilities
  - Jurisdictional Risk Assessments
  - State Risk Assessment
- Lessons Learned
Goals

- Complete basic National Incidence Management System (NIMS) training
- Become familiar with the national standards and guidance for public health preparedness
- Determine the gaps in community preparedness activities for Maryland’s 24 jurisdictions
- Assist in the development of a risk assessment tool to help identify the health risks of the jurisdictions
- Gain real-world public health experience!
Introduction to PHEP

Trainings:
- National Incident Management System (NIMS) Courses
  - ICS 100 – Introduction to Incident Command System
  - ICS 200 – ICS for Single Resources and Initial Action Incidents
  - IS 700a – National Incident Management System, An Introduction
  - IS 800b – National Response Framework, An Introduction
- Created NIMS Training Database

Guidance Documents
- CDC Public Health Emergency Preparedness Cooperative Agreement
- CDC PHEP BP11 Performance Measures Guidance
- Hospital Preparedness Program Guidance
- UCLA Hazard Risk Assessment Instrument
- And more!
PHEP Capabilities

• **Biosurveillance**
  – Public Health Lab Testing
  – Public Health Surveillance and Epidemiological Investigation

• **Community Resilience**
  – Community Preparedness
  – Community Recovery

• **Countermeasures and Mitigation**
  – Medical Countermeasure Dispensing
  – Medical Material Management and Distribution
  – Responder Safety and Health

• **Incident Management**
  – Emergency Operations Coordination

• **Information Management**
  – Emergency Public Info and Warning
  – Information Sharing

• **Surge Management**
  – Fatality Management
  – Mass Care
  – Medical Surge
  – Volunteer Management
Jurisdictional Risk Assessments

• Philadelphia Metropolitan Statistical Area (MSA)
  – Maryland’s Cecil County
    • Stakeholder Group: 11 counties, 4 states
    • Tool being developed by Drexel University School of Public Health

• National Capitol Region (NCR)
  – Areas surrounding the District of Columbia
    • Stakeholder Group: D.C., 3 states
    • Tool being developed by George Washington University’s Institute for Crisis, Disaster and Risk Management
State Risk Assessment

• Researched and reviewed state and county hazard mitigation plans

• Highlighted regional hazards and any available hazard rankings

• **Develop a draft tool for Maryland**
  • Used Drexel University’s Public Health Risk Assessment Tool

• Compiled state baseline data to be put into the Drexel Tool
Lessons Learned

• Real-world timelines do not always match with academic timelines.

• Flexibility is key.

• Technology is not always your friend. Always have a back-up.

• In public health, you are just one piece of a giant puzzle.
Recap

✓ Internship Goals

✓ Process

  ✓ Introduction to Public Health Emergency Preparedness (PHEP)

  ✓ PHEP Capabilities

  ✓ Jurisdictional Risk Assessments

  ✓ State Risk Assessment

✓ Lessons Learned
Goals

✔ Complete basic National Incidence Management System (NIMS) training

✔ Become familiar with the national standards and guidance for public health preparedness

✔ Determine the gaps in community preparedness activities for Maryland’s 24 jurisdictions

✔ Assist in the development of a risk assessment tool to help identify the health risks of the jurisdictions

✔ Gain real-world public health experience!
References

NIMS Trainings:

- http://www.fema.gov/emergency/nims/NIMSTrainingCourses.shtm

Guidance Documents:

- Centers for Disease Control and Prevention’s Office of Public Health Preparedness and Response

- University of California – Los Angeles Center for Public Health and Disasters

- Drexel University School of Public Health Center for Public Health Readiness and Communication
Maryland Department of Health and Mental Hygiene Office of Preparedness and Response

Preceptors:
- Artensie Flowers, PhD, MPH
  CDC Public Health Advisor
- Isaac Ajit, MD, MPH
  Deputy Director, DHMH Office of Preparedness and Response

Office of Preparedness and Response:
- Albert J. Romanosky, MD, PhD
- Nicole Brown
- Tracy Bryan

Office of Information Technology:
- Reenea C. Logan, MBA
- Chester Roebuck

Johns Hopkins Bloomberg School of Public Health PHASE Team

Faculty:
- Beth A. Resnick, MPH, CPH
  Director, Office of Public Health Practice and Training and the MHS Program in Health Policy
- Dipti D. Shah, MPH
  Chief, Office of Immigrant Health/State Refugee Health Coordinator (DHMH)

Teaching Assistant:
- Patricia L. Truant, MPH
  PhD Student in Health Policy and Management
Thank you for your attention!
Questions?