




BASIC
DISASTER LIFE SUPPORT®
COURSE PRESENTATION
3.2




Session 1 – Lesson Two A
Natural Disasters

Applied Learning Exercise


Natural Disasters Scenario

NWS (NOAA) update on approaching hurricane over the last 48 hours

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Planning and preparation
Resilience
Education and Training
Detection
Incident Management
Safety and Security
Assess Hazards
Support
Triage and Treatment
Evacuation
Recovery



Are my needs > resources?

Putting the PRE-DISASTER Paradigm™ into practice!

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PRE-DISASTER Paradigm™
Planning and Practice

- Would your current plan provide you with clear instructions and action steps?
- Have you practiced drills and exercises implementing such instructions and action steps?
- What about your personal and family plan?

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PRE-DISASTER Paradigm™
Resilience

- What could have been done to foster resilience prior to this storm?
- Ability of individuals and communities to adapt and overcome adversity due to disaster

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PRE-DISASTER Paradigm™
Education and Training

- Are health and medical providers in your area ready to manage such an approaching disaster?
- What “just-in-time” educational and training actions could be considered?

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Natural Disaster Scenario
UPDATE

SITREP, 0208 Hours, September 13, 2008:
Landfall Hurricane Ike, Galveston Island, Texas
Category 2 with winds of 110 mph
Hurricane-force winds exceeding 120 miles wide
Tropical-force winds exceeding 275 miles wide



Ray E. Swienton, MD

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The DISASTER Paradigm™
Detection

- How would you gain early situational awareness immediately following landfall?
 - Is a disaster present?
 - What has happened?
 - What is needed now?
 - Who should I call?

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Natural Disasters Scenario
UPDATE



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Early Situational Awareness

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The DISASTER Paradigm™
Incident Management

- Do you understand NIMS areas that impact health and medical role?
 - What is your role within the ICS structure?

- What are emergency support functions (ESFs) and which involve health/medical and population sheltering?

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Natural Disaster Scenario
UPDATE

- **ESF-6: Mass Care, Emergency Assistance, Temporary Housing and Human Services**
 - Recognizes a lack of medical provider coverage to comply with FNSS guidelines at temporary housing shelter operations, ICS-213 generated
- **ESF-8: Public Health and Medical Services**
 - MACC liaison briefs ESF-8 “desk” on the ICS-213 stated needs and asks the LMOC to “fill” this request

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The DISASTER Paradigm™
Safety and Security

- What likely human systems failures should you be concerned about after landfall?
- What safety and security concerns do you have regarding request for shelter medical support?

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The DISASTER Paradigm™
Assess Hazards

- While providing medical support in temporary housing shelter, what hazards should you consider or may develop?

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The DISASTER Paradigm™
Support

- When providing medical services to sheltering population, remember...
 - **What** do I have?
 - **What** is needed?
 - **Where** is it?
 - **When** will it arrive?
 - **What** if it is unavailable?

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Natural Disaster Scenario
UPDATE

Arrive at shelter and medical services requested




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The DISASTER Paradigm™
Triage and Treatment

- Does this appear to be a general population of casualties?
- Are you prepared and ready to provide this level of medical care?





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The DISASTER Paradigm™
Evacuation

- When would you mobilize evacuation resources and issue orders?
- High risk of causing human systems failure disasters



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The DISASTER Paradigm™
Recovery

- What can you do to assist with recovery?
 1. Relief
 2. Rehabilitation
 3. Restoration

Priority to restore health and medical infrastructure of impacted community

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Natural Disasters
After-Action Review

OUTCOMES

- US Deaths > 100; more than 20 still missing
- Damage \$29.6 B (3rd most expensive in US history)
- Largest search and rescue operation in US history
- Storm surge 10-20 ft in and around Galveston, Texas
- Hurricane Ike caused 29 tornadoes across the US
- 3900 buildings destroyed on just the Bolivar Peninsula
- Impact on local health and medical providers (UTMB)

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Questions?