

# Medical Care Outside the Clinical Setting: Application of Emergency Management Practice to Everyday Life

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# Disclosures

- I have no relevant financial relationships to disclose.

# GOALS for Our Interactional Period

- The participant will be able to apply the principles of the all-hazards approach to risk assessment to:
  - Social Functions
  - Office Functions
  - Personal Life/Events
  -
- The Participant will be able to develop a scaled Hazard Vulnerability Analysis to the settings of:
  - Office Practice
  - Small Social Functions
  - Personal Life Events
- The Participant will be able to apply the principles of pre-planning to situations of general daily practice and life events.
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- The participant will be able to self-identify their level of preparedness/readiness to the items mentioned on their individual Threat and Hazard Identification and Risk Assessment.

# Agenda for our Interactional Period

- General Concepts of Emergency Management
- Review of Threat and Hazard Identification and Risk Assessment
- Review of Hazard Mitigation Plan
- Practical Exercises
- Some Tricks of the Trade from the Field Operative side of the house

# Who Knows What The Operational Objectives Always are?

- The Preservation of LIFE!
- The Stabilization of the Scene/Event
- Resumption of Government
- Resumption of Economy

# Emergency Management Principles That Can Be Used In Everyday Life/Events

- Threat and Hazard Identification and Risk Assessment (THIRA)
- Hazard Mitigation Plan

# THIRA Principles

- 1. Identify the Threats and Hazards of Concern.
- 2. Give the Threats and Hazards Context.
- 3. Examine the Core Capabilities Using the Threats and Hazards.
- 4. Set Capability Targets.
- 5. Apply the Results.

# Threat and Hazard Types

- Natural Acts/ Events
  - Hurricanes
  - Tornadoes
  - Epidemics
- Technological
  - System Failures
  - Accidents
- Human Caused
  - Actual
  - Threatened



# Threat and Hazard Types

- Where can I find/gather intel on threats and hazards
  - Existing assessments
  - Historical data
  - Neighbors
  - Own analysis
  - Online data (Vet the Source)

# Giving the Threats and Hazards Context

- Greatest Concern is the primary focus
- Anticipate how the Threat or Hazard can affect your operations.
- Consider multiple Threats and Hazards occurring simultaneously
- Consider the cascading of effects of a Threat or Hazard

# Giving the Threats and Hazards Context

- Show how a Threat or Hazard can affect your operation by giving thought to:
  - When might a Threat or Hazard occur
    - Time of Day
    - Time of year/season
  - Where might a Threat or Hazard occur
    - Populated versus Rural
    - Industrial area
    - Schools
    - Highways
  - What are the conditions that would escalate the level of greatest concern for my operation.

# Examine the Core Capabilities using the Threats and Hazards

- Our primary focus is on 5 Areas of Consideration
  - Prevention
  - Protection
  - Mitigation
  - Response
  - Recovery

# Examine the Core Capabilities using the Threats and Hazards

- So how do we really do this
  - Planning
  - Public Information/Warning
  - Operational Coordination
    - Assessment
    - Adaption
    - Execution
    - Recovery

# What is our Desired Outcome

- The Desired Outcome is **ALWAYS MISSION COMPLETION WITH MINIMAL ALTERATION TO INITIAL OBJECTIVES**
  - MININIMAL IMPACT ON TIME LINE
  - MINIMAL IMPACT ON EXPENSE
  - MINIMAL IMPACT ON CONCURRENT OPERATIONS/EVENTS

# Examine the Core Capabilities using the Threats and Hazards

- When Considering the Estimated Impacts
  - Look at each Threat and Hazard
    - Determine the impact on the operation via core capabilities
    - Consider the impact of the Hazard or Threat on the operational areas/ mission

# Develop Capability Targets

- Capability targets are based on the greatest impact in conjunction with the desired outcomes.
- Example: if a family picnic is planned for the afternoon hours only and there will be 50 individuals attending that will need fed, our target capability would be to feed 50 people in 2 hours time.



# Application of the Threats and Hazards Identification and Risk Assessment

- Once we have identified our Threats and Hazards we need to move into risk management mode
- Do you need to add to your assets?
- Do you just need to sustain your manning, or do you need to supplement it?

# Hazard Mitigation Plan

- Based upon the THIRA, develop plans to mitigate each Threat and Hazard identified.
  - Initially treat each Threat as a freestanding event
  - Concurrent event plan
  - Cascading event plan
- Plans are no good if no one know what they are—PUBLISH THEM!!
  - Depending on operation this could be verbal or written
  - Practice these plans
    - Table top
    - Walk through
    - Full Exercise

# What are the Benefits of Applying THIRA

- Planning
  - Strategic planning and resource allocation
- Mitigation
  - Project Development and resource management
  - Risk Reduction
- Training
  - Build scenarios based on THIRA
  - Write exercises and develop training based on the Threats and Hazards with the Mission Goals in Mind

# The Application of THIRA and HMP

- Leads to Mission Accomplishment
- Risk Reduction
- Reduction of Costs of untoward events
- Reduction in Daily Life/Economy
- Customer Satisfaction

# Continually Assess/Plan/Train/Perform

- Review the THIRA at Least Annually
  - May be more frequently depending on events that occur.
  - Include all parties involved in the THIRA process.
  - Adjust your Hazard Mitigation Plan as needed based on the new THIRA
  - Communicate your THIRA and Hazard Mitigation Plan to all parties always.

# Exercise/Application/Review

# Do you Carry a Medical Kit?

- Mission Dependent
  - Scope of the mission
  - Number of individuals attending
  - Duration
- Commercial Kits
  - Quick and Easy Answer to a need—Maybe....
  - Often receive a lot of FLUFF items that will expire and never be used
- Individualized
  - Adapted to the event
  - Requires Frequent Mission based upgrades

# Tricks of the Trade from Voodoo Medics

- Always Carry a Nasal Trumpet
- Always Carry a Turkey Baster
- Elastic Bandages are the Bomb!!
- Just like in Mud, a 4x4 will get you out!
- A Woobie is a must!!
- A Tourniquet—never leave home without one!
- Always bring a Newspaper—never know when it gets slow
- Remember INTEL First/Risk Assessment 2<sup>nd</sup>/Operations 3<sup>rd</sup>



# Tips from the Voodoo Medics

- Always get the best you can
  - Equipment
  - Personal
  - Intel
- Know where your #&\*@ is at all times
  - Equipment
  - Operational Area
  - Personel
- Planning with out training is .....

# Conclusion

- Questions
- Comments
- Confessions
  
- Thank You.