MASS CASUALTY INCIDENT ROUNDTABLE EVENT

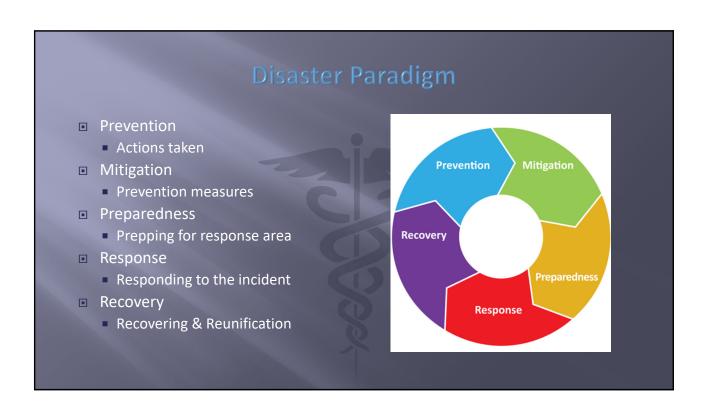
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Objectives

- Explain a Mass Casualty Incident (MCI) and how to prepare
- Understanding Disaster Paradigm for emergency mass casualty events and hazardous vulnerability assessment
- Discuss the allocation of proper resources to improve response efforts working as a team instead of operational silos
- Identify gaps in training and MCI exercises





Lessons Learned

- Oklahoma City Bombing
 - April 1995, Federal buildings are not safe
 - 168 dead, over 750 wounded, including one responder
- Columbine Shooting
 - April 1999 Schools are not safe, unsecure
 - 13 dead
- 9/11
 - Multiple prior attempts to collapse the WTC
 - Deaths 2,996 of which 343 first responders
 - Additional injuries from medical staff running towards the towers before the collaspe
- Hurricane Katrina
 - August 2005
 - 1,836 victims almost triple that injured

Lessons Learned

- Colorado Shooting
 - July 2012 Aurora Movie Theater
 - 12 dead
- Pulse Nightclub
 - June 2016 Nightclub
 - 49 deaths and over 50 injuries
- Waukesha Parade
 - November 2021
 - 6 deaths with ten times that injured
 - Pedi patients brought to the limelight

- Uvalde Shooting
 - May 2022
 - Chase turned into Mass shooting
 - 21 deaths with the same injured
- San Antonio
 - June 2022
 - Human Trafficking
 - 51 dead including children

Probability HAZARD AND VULNERABILITY ASSESSMENT TOOL NATURALLY OCCURRING EVENTS KAISER PERMANENT Risk EVENT Historical Data Predicative Data Impact Human Property Business Preparedness Plans Partnerships RISK - PROBABILITY * SEVERITY 0.00 0.00 0.00 Resources Columbia, 2021

Calculating Hazardous Vulnerability Assessment

- General Risks
 - Use data to current risks within the community
 - Gathered from multiple resources including health department, FEMA, response services, businesses, and etc
- Historical Data
 - Data that has been gathered over the years in the current areas
 - Weather data, wildland fires, drought, and other incidents that have occurred
- Predictive Data
 - Forecasted during hurricane season, fire season, earthquake risks
 - Threat assessment on terrorism

Collaborative Exercise

- Response efforts
 - All agency's develop different processes to respond to incidents
 - Get key players together to develop operational goals
- Avoiding operational siloes
 - Normal operations are operating together while independently
 - Example: Police, Fire, EMS
 - Example: Hospital floors, emergency departments, & Intensive care providers
- Collaboration
 - Tabletop exercises allow collaborative communication

First Responder to First Receiver

- Tabletop exercises allow for lessons learned and the options that we can pre-existence issues
 - Lessons learned
 - Initial breakdown of response efforts
 - Initial surge capacity issues
 - Determination sick vs unsick; wounded vs walking wounded
 - Stopping surge response efforts
 - Full response efforts
 - Recovery
 - Reunification

CAMLS, (2022)



Full scale hospital MCI Difficult to determine MCI vs first Multiple responder Incidents EMS/Fire Internal & What is one more than ER's can External handle UMC Emergency rooms Averages 200+ patients/daily 89,000 prior to Covid Internal Most emergency departments **People Crisis Building Crisis** place the warning under timing for Utilities Crisis overflow

Portions Disaster Self-Assessment

- Assessment Summary
 - Hospital Profiles
 - Emergency Planning
- Clinical Preparedness Factors
 - Leadership
 - Emergency planning
 - Clinical Operations
 - Safety, Security, and Fire
 - Logistics
 - Communication
 - Training
 - Performance Improvement

(Calonge, Brown, & Downey, 2020)

Tabletop Exercise Apartment Fire-Burn Surge

- Apartment Building two stories started in the middle of the night of south Lubbock
- 200 apartments started on bottom floor without working smoke detector/alarm system
- 25 major burn victims
- 30 wounded victims
- 40 smoke related victims

(UMC, 2021)

Tabletop Exercise Jones Stadium

- Texas Tech against Texas
- Jones is "blacked out," full
- Small drone flies over the north end of the stadium shooting and dispersing an "unknown substance powder"
- Initial report 40 dead, barricaded from additional response





Benefits & Take Homes

BENEFITS

- Tabletops allows for layered response efforts
- Breaks operational siloes
 - No disaster is managed by one person it takes the entire tea
- Communication outside of the physical event

TAKE HOMES

- Know your system
- Know your responses
- Collaborate as operational teams
- Use every available resource to determine any roadblocks or barriers
 - Include daily operations



References

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