PLEASE REVIEW INSTRUCTIONS BEFORE WE BEGIN THE DISASTER TRIAGE WEBINAR



- Joining Instructions

 Attendee phones have been placed on mute
 Open Participants and Chat Panel located at top of your computer screen
 Right Click on panels to move for better viewing of presentation
 Webinar will be recorded for future viewing

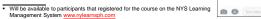
 Attendance
 If you do not see your full name listed under "Attendees", provide your name to
 the Host using the Chat Function
- If you are hosting a group of participants in a room, fax/email sign-in sheet to Eileen Spezio@urmc.Rochester.edu or (585) 756-5098 by COB today

Communication

Chack the a sages and instructions from the Host.

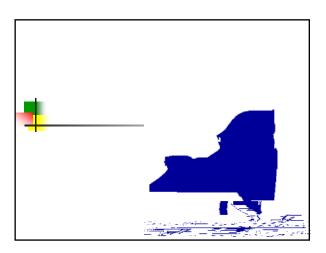
Communicate with the host, panel and/or presenter using the Hand or Chat

Hand – request to be unmuted for a verbal question or commF mut Å









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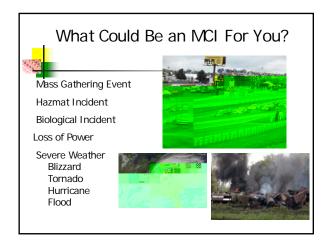
GOAL: UTILITARIAN APPROACH GREATEST GOOD FOR THE GREATEST NUMBER



Important Considerations during an MCI Response

Supply vs. Demand Resource Allocation Coordination Medical Management Ethics

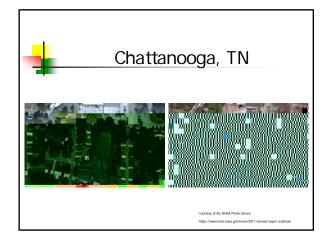


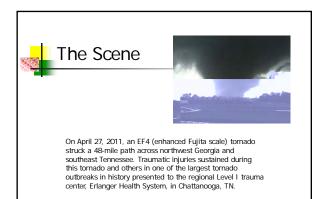




CASE STUDIES FROM ACUTAL EVENTS

Super Tornado Outbreak Asiana Airline Crash Boston Marathon Bombing Orlando Shooting Las Vegas Shooting Thousand Oaks Shooting Schoharie Limousine Crash

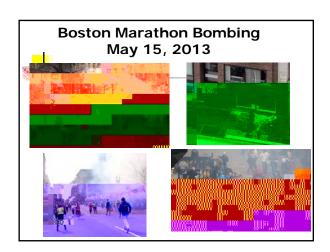


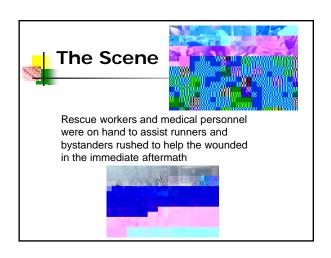


Where Did They Go?



169 adults and children treated in Erlanger Health Syst em's 5 area Emergency Departments 94 treated at Level 1 Trauma Center 20 at Erlanger Bledsoe 6 at Erlanger North









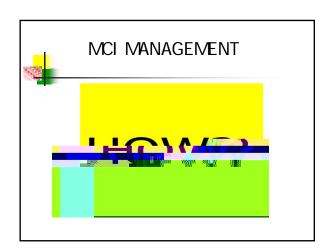
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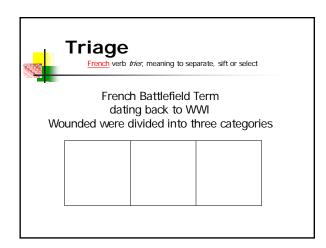
- Between 625 and 800 casualties were treated at nearly every hospital and treatment facility in the Washoe Valley of Nevada and beyond
- Desert Springs Hospital (community hospital closest to the venue) received 55 casualties. Hospital staff had little or no experience with GSWs
- University Medical Center (trauma hospital, six miles from venue) received 60 casualties initially, then approx. 25 by transfer later
- % Sunrise Hospital (Level 2 trauma center 4.8 miles from venue) received
- Most victims self-transported or arrived by private vehicle, cab, Uber, etc. Less than 25% arrived by EMS



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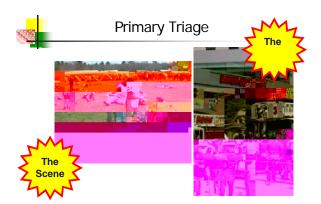






1 st contact (at scene or hospital) Assign triage category

ongoing process that takes place after the patient has been moved to a **treatment/holding area** awaiting transport.





Which system is utilized in NYS?

Depends on the local medical director

NYS DOH BEMS does endorse or recommend a particular system

In 2005 was provide grant monies to purchase and distribute SMART Tag Triage System to ambulance services across NYS

START is currently the most commonly used methodology in NYS



Disaster Triage Systems

MASS ESI



67\$57 7ULDJH \$OJRULWKP
\$ %
& 0HQWDO
6 W D W X V
67\$57 3ULPDU\7ULDJH:DONLQJ
7KH ILUVW DWWHPSW DW EDODQFLQJ UHVRXUFHV DQG FDVXDOWLHV
│ The "Greens" ■
† Once they walk toward you – designate a place for them to go
† Someone needs to tag them green † Someone needs to stay with them &
keep them informed

"START" – PRIMARY TRIAGE RPM

Non-Ambulatory Casualties Require Additional Assessment

espiratory effort ulses/perfusion ental status

Primary Triage

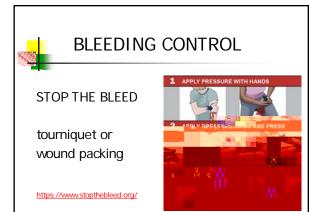


START - Perfusion/Pulse

Circulatory Check...

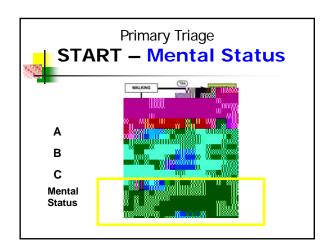
Capillary Refill > 2 seconds = tag RED

If unable to obtain a capillary refill, check the radial pulse. If radial pulse is absent, and tag RED

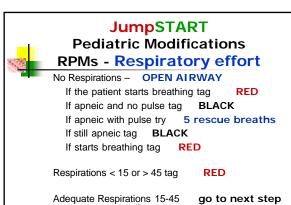




Adequate Circulation Capillary Refill < 2 Seconds Radial pulse present



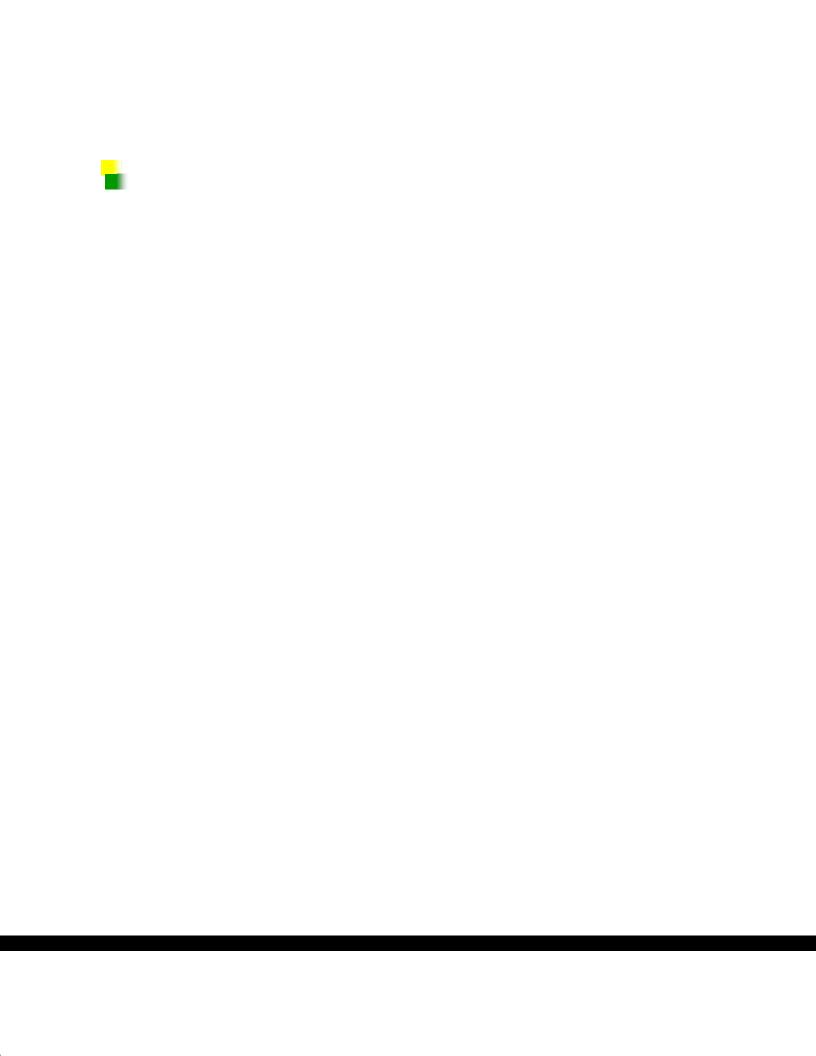
START – Mental Status

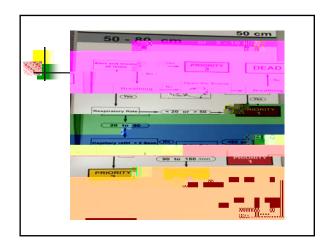


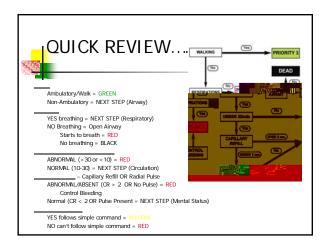
JumpSTART
Pediatric Modifications
RPMs - Pulse

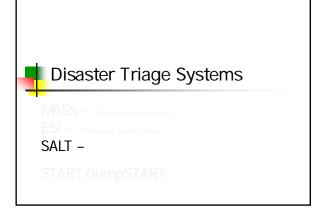
No distal pulse – **tag RED**Pulse present **go to next step**

Mental Status









Development of SALT



Part of CDC sponsored project

Develop national standard for mass casualty triage

Sort - Assess - Life Saving Interventions - Treatment/Transport

Based upon best evidence

Concept endorsed by: ACEP, ACS-COT, ATS, NAENSP, NDLSEC, STIPDA

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Federal Recommendations Released July 2013



Model Uniform Core Criteria

BACKGROUND

Workgroup established to review science and develop list of recommended criteria for Disaster Triage Systems

RESULT

Identifies 24 criteria – essential elements – for an MCI triage system

Provides a standard for triage systems to increase interoperability

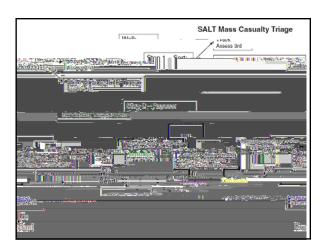
Provides guidelines for revision of existing MCI triage systems

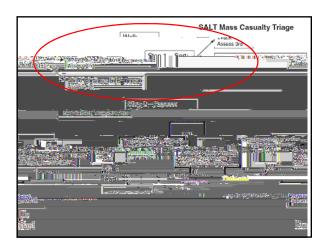


2018

NHTSA released an addendum

https://www.ems.gov/pdf/education/National-EMS-Education-Standards-and-Instructional-Guidelines/MUCC_Addendum_EMT.pdf





SALT -Action 1

Alberyone who can hear me please move to [designated area] and we will help youAÿ

Use loud speaker if available

Group ambulatory patients using voice commands

Those who follow this command - last priority for individual assessment

70

SALT -Action 2

 $\begin{tabular}{l} Al\! f\! you need help, wave your arm or move your leg and we will be there to help you in a few minutes A\" y$

Identify non-ambulatory patients who can follow commands or make purposeful movements

Those who follow this command - second priority for individual assessment

71

SALT -Result

Casualties prioritized for individual assessment

Priority 1: Still, and those with obvious life threat

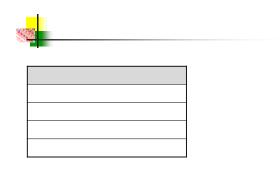
Priority 2: Waving/purposeful movements

Priority 3: Walking

72

Step 2: Individual Assessment Lifesaving Interventions

SALT Mass Casualty Triage





DEAD

Casualties with complete absence of life

Not breathing after basic airway-opening maneuvers, including two rescue breaths if a child

Attempt basic life-sustaining efforts only if sufficient personnel available

It is important to *NOT* move dead casualties, unless the remains are blocking access to live casualties







Example

Casualty gurgles but can't maintain an open airway and is not breathing

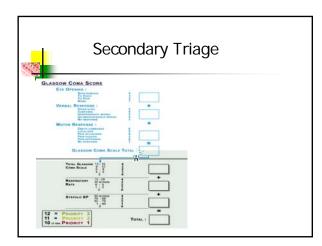
Unresponsive





DEAD - PRIORITY 5

Non-ambulatory casualty wip*

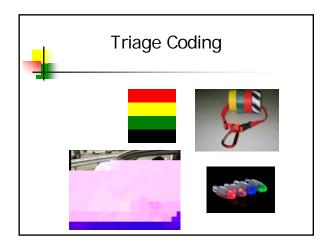




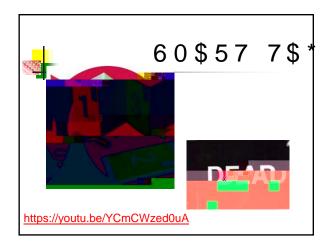
Efforts to identify and track casualties should begin at the scene

Tracking officer must ensure everyone accounted for Systems can range from electronic system, to triage tag, to simply recording information on a piece of tape

Allow for more information to be added to system as it becomes available



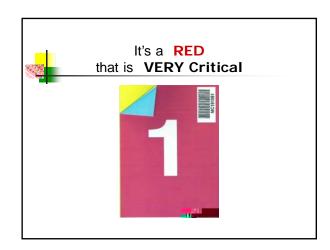


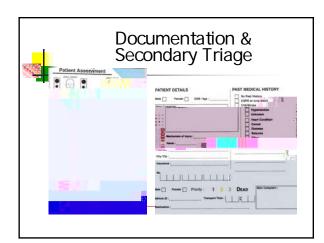


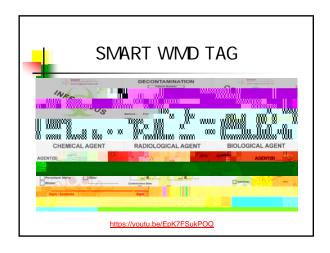


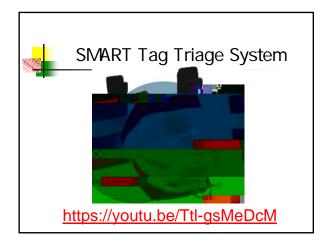
SMART TRIAGE TAG

- •I nnovative folded design allows for simple re-triaging
- •Highly visible, with Priority 1 lightstick
- •Highly durable, waterproof and tear resistant material
- •Space for structured recording of interventions (time allowing)
- •Unique barcode for integration with tracking software





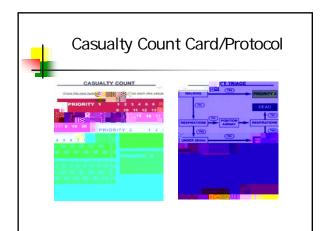


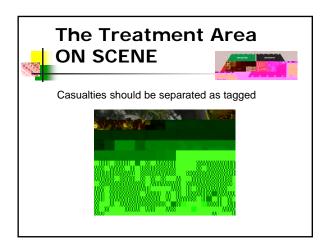




SMART Triage Pack Contents

Dynamic Tags (20)
Dead Tags (10)
Pencils
Cylume Sticks
Casualty Count Card/Protocol
SMART Pediatric Tape





Dead/Expectant Special Considerations Establish an area away from other casualties It should be a secure area away from on-lookers, media, etc. Accessible for you and coroner staff





Casualty Transport and Evacuation

Casualties must be prioritized for treatment as well as transport to definitive care.

Regions may have different plans related to notification, destination and transport

Avoid overwhelming the closest hospitals:

- 1. Transport priority patients to local hospitals
- Transport stable patients to more distant hospitals or treatment facilities stood-up for the incident
- 3 Treat minor injuries and release from scene



Casualty Transport How do victims arrive?

Ambulance

Air Transport

Medical Emergency Response Vehicle (MERV)

Non-Emergency Vehicles (Bus)

Self Transport (private vehicles, UBER)



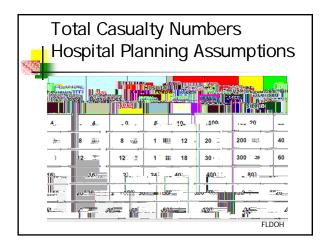
Casualty Transport Hospital Considerations

Estimating Total Expected Casualties Calculations

~ 50% of acute casualties may arrive at the closest medical facilities within 60 min

50-80% may arrive within 90 min

Most arrive within 1-4 hours



The Treatment Area Hospital

Sample/Suggested Expanded Treatment Area Locat '

Triage	Ambulance Bay	
Immediate Treatment (Red Area)	Emergency Dept	
Delayed Treatment (Yellow Area)	Ambulatory Surgery ED Fast Track	
Minor Treatment (Green Area)	Clinics, Outpatient Areas	
DOA or Terminal (Black Area)	Morgue	

Forward Triage Concept







Mass casualty event occurs when number of victims overwhelms resources

Change perspective to greatest good for greatest number

Initial goal of mass casualty triage to sort and assess casualties to identify those with life-threatening injuries and initiate lifesaving treatment and then evacuate all casualties

Triage Process is Continuous and Dynamic

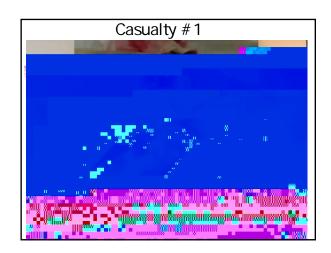
Disaster TriagePracticalApplication

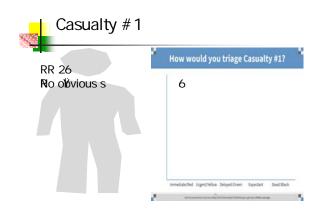
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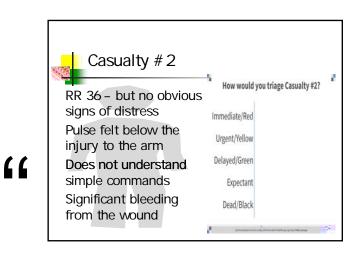
Scenario

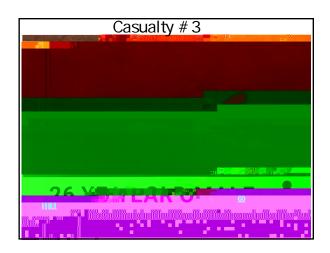
An improvised explosive device is detonated at a large outdoor sporting event. At least 50 people are confirmed injured.

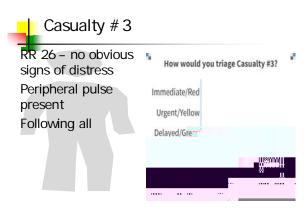
EMS arrives on scene

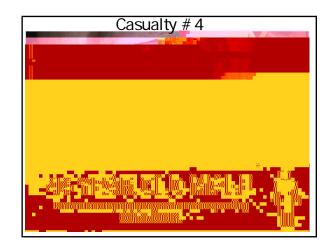


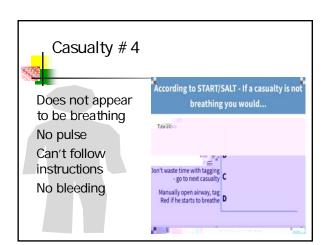


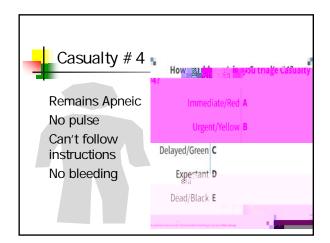


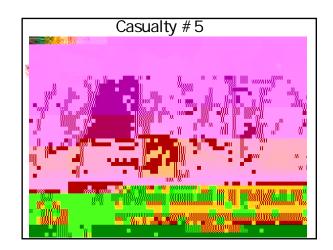


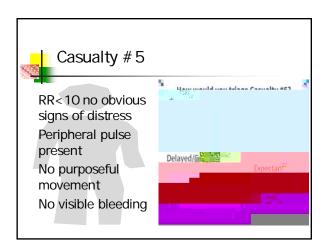


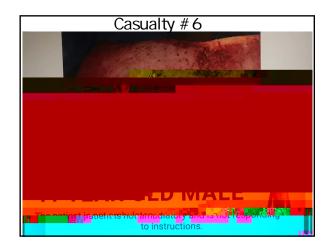


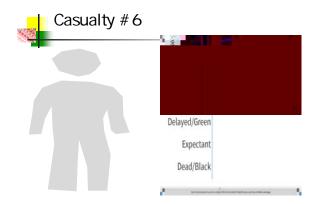


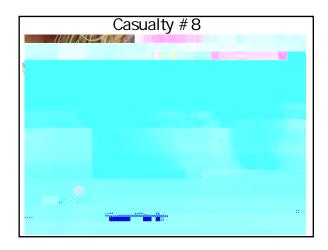


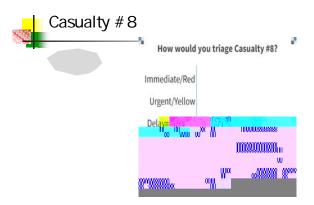


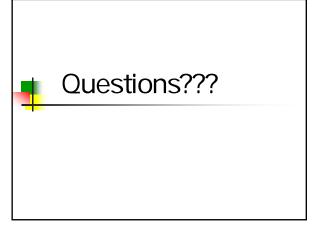














Remember the goal of training

Increase familiarity/proficiency of a triage methodolog (START or SALT)

Increase familiarity with the SMART Tag Triage

Train with a standardized methodology and

Grow your organization's triage & mass casualty response competency

Regional	Training	Centers
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Finger Lakes Regional Training Center Anne D'Angelo Phone: (585) 758-7640

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Website: wrhepc.urmc.edu

UPSTATE State

CNY Regional Training Center

Kelsey Wagner Phone: (315)464-7597 Ext: 4-7597



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