Middle East Disaster & Pre-hospital Management Congress Istanbul – Oct 8-11, 2017



Disaster Management

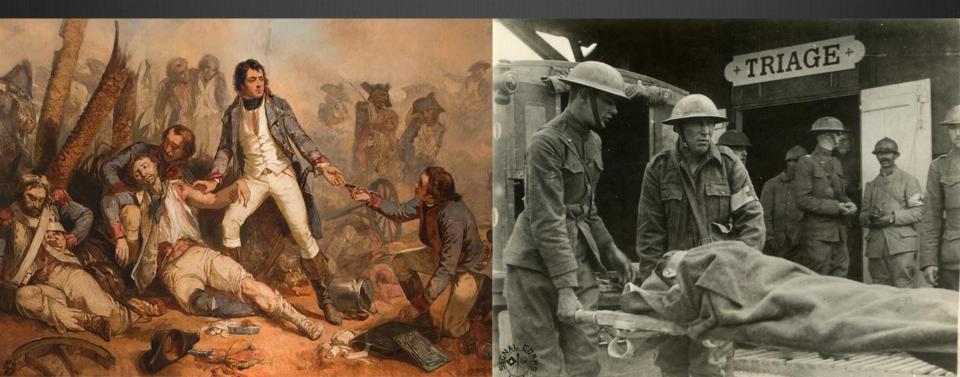


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History & Definitions

Triage : Trier / To Sort.

Disaster: an incident, either natural or human-made, that produces patients / casualties needing services that exceeds beyond the immediately available resources.



Triage Categories

- Son Disaster: provision of the best of health care services for all patients (e.g. C.T.A.S /E.S.I)
- Disaster / MCI: provision of the most cost effective / efficient health care services for the greatest number of patients.

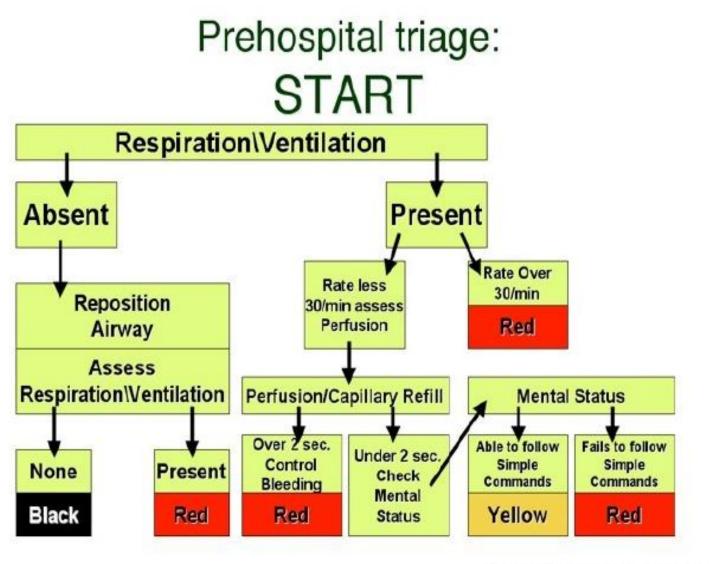
S.T,A.R.T & S.A.V.E / S.A.L.T Triage Systems

- S:Sort
- A : Assessment
- L: Life saving interventions (e.g chest tube, cric, ETI).
- T: Treatment & Transfer

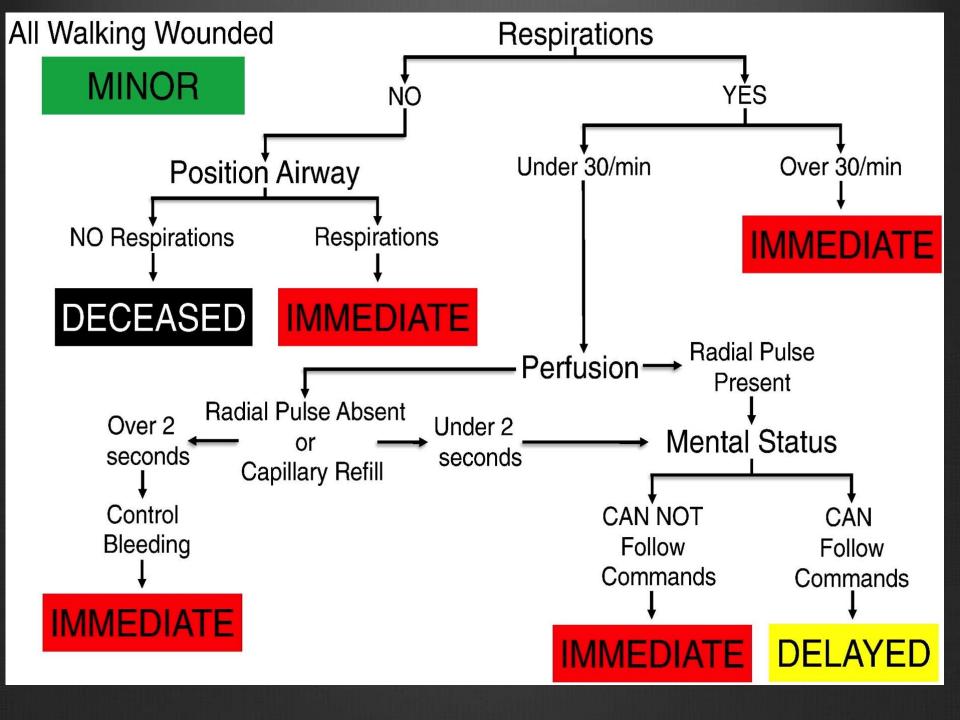


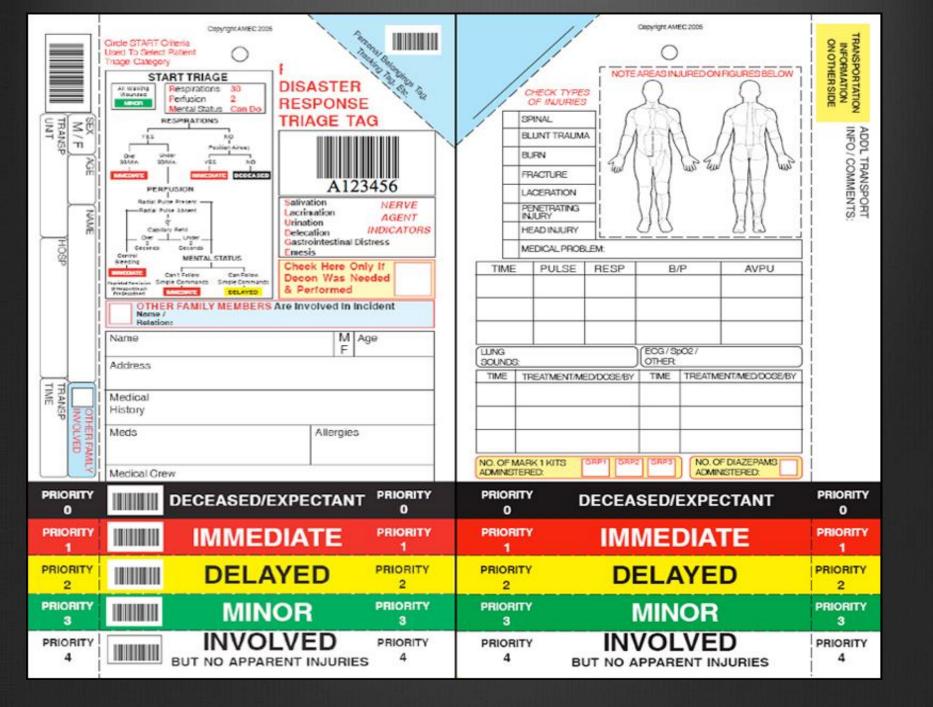
Solution Value = (Benefit / Resources Required) * Probability of Survival

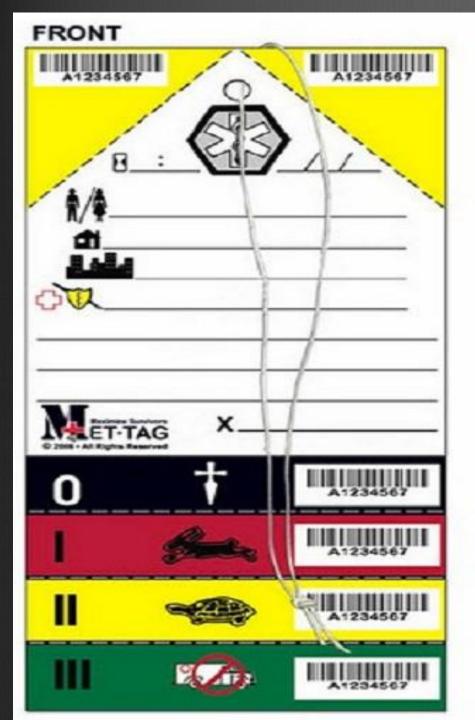


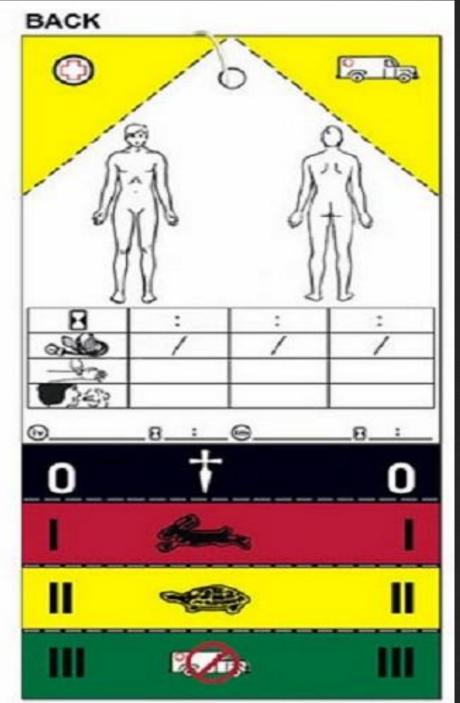


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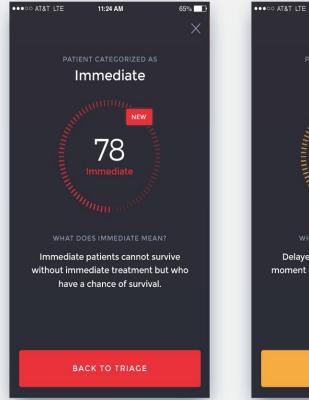


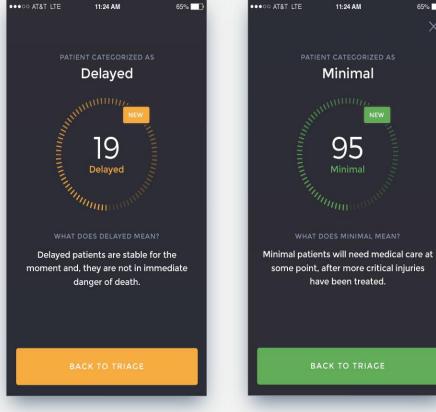






Triage Apps





65% 🗖

Disaster Management



Recent Disaster Events

Hurricane Harvey & Irma.
Hepatitis "A" outbreak
Las Vegas Shooting.













SO mph Nashville

mph

100

Birmingham Atlanta

ton SIPM Tallahassee

Mon 8 AM Tampa 90 mph Fort Myers Sun 8 PM 125 mph Naples Key West

Unified Command System in Disaster Management



Goals & Objectives

- The needs for a well established unified command system in disaster management.
- Incident Command System (ICS) functionality.
- National Incident Management System (NIMS) functionality.
- Training, education, credentialing & certification in disaster management.

Incident Management Shortcomings

- Lack of accountability.
- Output Unclear chains of command and supervision.
- Communication: codes and terminology.
- Lack of an orderly and systematic planning process.
- Lack of a predefined integrated inter-agency process.

Unified Command System in Disaster Management

A systemic approach through mechanism to achieve a set of goals and objectives in situations where two or more political or functional entities have authorities and /or assets.

Unified Command



Unified Command

- Solution Operations Center (JOC): operates 24/7/365, with multiple agencies.
- Soint Information Center (JIC) : interface location between the media and the PIO.



Federal Emergency Management Agency (FEMA)

- Established in 1979
- Mitigate, prepare, respond & recover from all types of disaster events



The Incident Command System - (ICS)

(ICS): is a standardized approach to the command, control, and coordination of emergency response providing a common hierarchy within which responders from multiple agencies can be effective.



 ICS includes procedures to select and form temporary management hierarchies to control funds, personnel, facilities, equipment, and communications.



Comprehensive Resource Management

- Resource management and tracking includes :-
- Categorizing resources.
- Ordering resources.
- Dispatching resources.
- Tracking resources.
- Recovering resources.



ICS in emergency and non-emergency event management

- Concerts
- Parades
- Ceremonies
- Fairs and other gatherings
- Training exercises





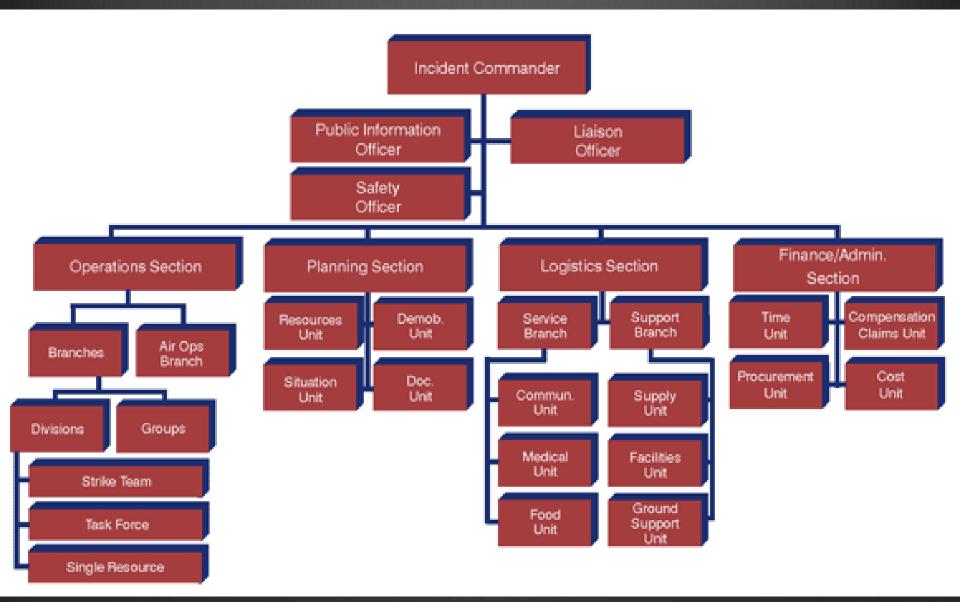
ICS



ICS Framework

- Incident Commander
- Sections (Chief)
- Branch (Director)
- Division (Supervisor)
- Group (Supervisor)
- Unit, Team, Force (leader)
- Individual Resources

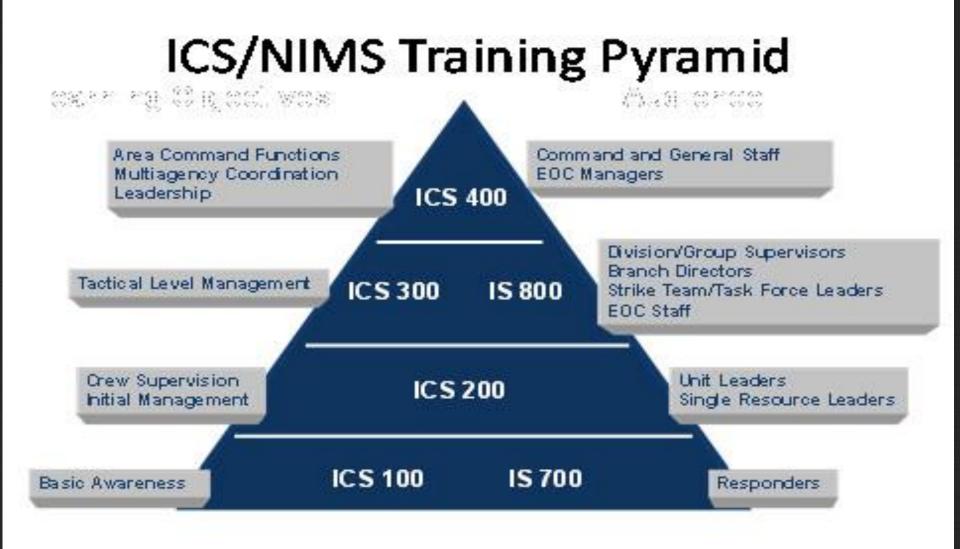
ICS Flexibility & Scalability



Incident Management



NIMS



Training, Education, Certification & Credentialing

- International fellowship programs in disaster medical Sciences. (e.g CDMS).
- International accredited courses in disaster medicine.
- E.M.D.M : European Master in Disaster Medicine.
- European Medical Corp (recent).



In Summary

- International Standardization in training, education, credentialing & certification
- Six sigma & lean management application.