



**Disaster Management**  
**at**  
**Major Events**

**An EMS Perspective**

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**Medical cover is provided to help treat the ill and the injured at a Mass Casualty Incident that may occur at an event where large crowds are gathered**



# Events in Cape Town

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 - Pick and Pay Argus Cycle Tour

 - ICC Cricket World Cup

 - 46664 Concert

 - Ysterplaat Air Show

 - 2010 Soccer World Cup Bid Matches



# Planning

- 🚑 - Resources required
  - Human
  - Equipment
- 🚑 - Layout of venue
- 🚑 - Possible problem areas
- 🚑 - Mass Casualty Incident (MCI) management
- 🚑 - Staffing of Venue Operation Center



# Resources

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-  - Staff required to run a successful event
-  - Back-up staff in event of staff not turning up on day
-  - Vehicles and equipment required at event
-  - Backup vehicles at venue in the event of an MCI
-  - Extra equipment and disposables at venue in the event of MCI



# Layout of Venue

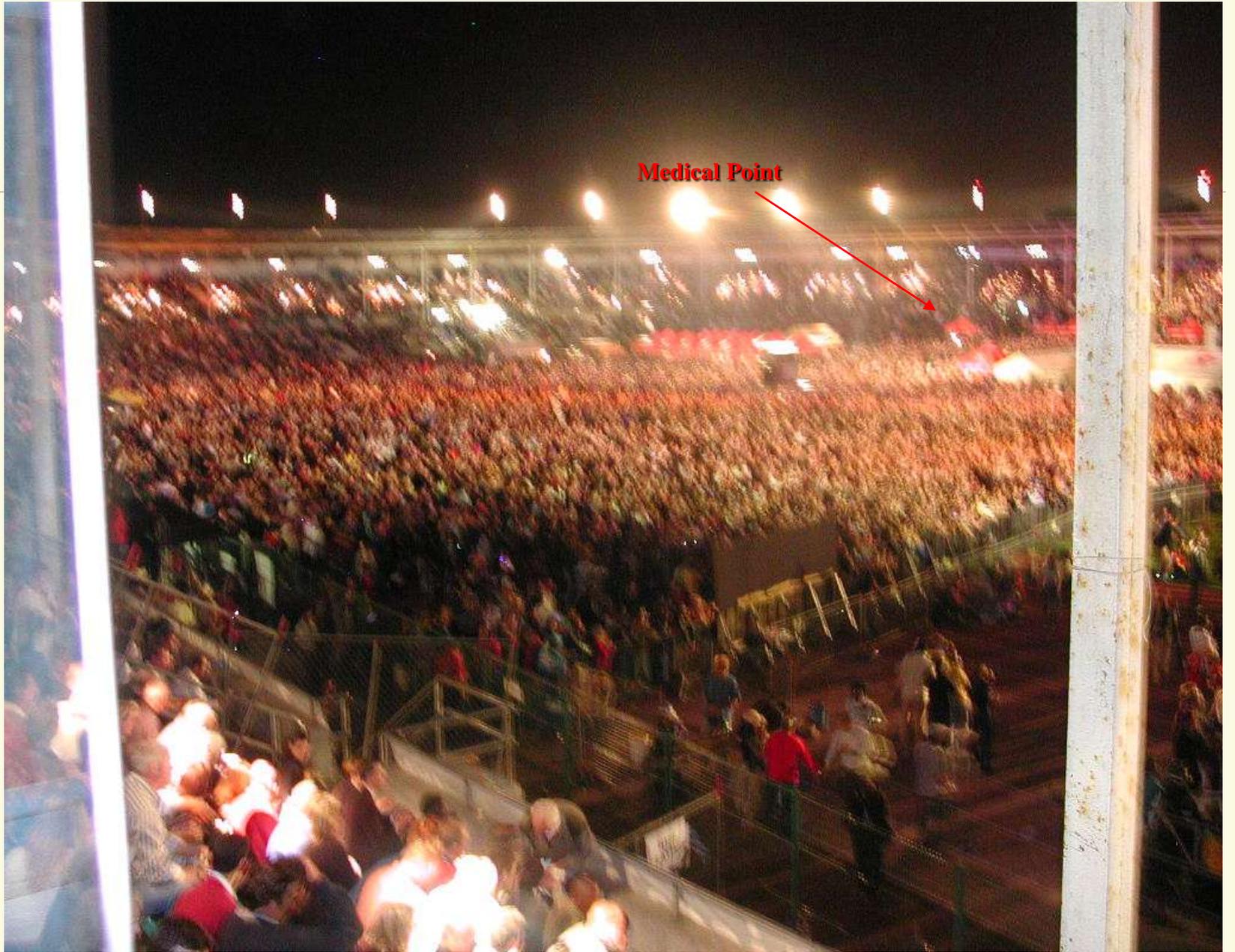
## Determines

-  - Placement of staff
-  - Placement of equipment
-  - Evacuation routes of patients
-  - Placement of emergency vehicles
-  - Access and egress routes in event of extra emergency vehicles



# Placement of Staff





Medical Point

**Medical Point**



# Placement of Equipment

- 🚑 - During the Pick and Pay Argus Cycle tour the equipment and vehicles were placed strategically along the route
- 🚑 - Vehicles and equipment were withdrawn and moved to other points on the circuit once the last cyclist had passed
- 🚑 - During the 46664 concert the equipment were placed next to the stage at the medical points



# Placement of Equipment

-  - Two Advanced Life Support medical centers were started away from the moving public
-  - Ambulances were parked outside the stadium and patients would be taken to it if required
-  - A dedicated helicopter landing zone to be identified for possible Aero-medical evacuations
-  - In the event of a MCI all extra emergency vehicles would be loaded outside of the stadium



# Helicopter Landing zones

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# Problem areas

-  - Large crowds restrict movement at concerts
-  - Possibility of crush injuries if mass evacuation is required
-  - Evacuation of the ill and injured in crowded stadiums
-  - Alcohol and drug abuse
-  - Poor radio coverage in outlying areas
-  - Noise interference and inadequate ear pieces on handheld radios
-  - Long working hours with minimal food



# Problem areas

- 🚒 - Crowd control and injuries during a mass evacuation
- 🚒 - South African Breweries utilizes Ammonia in their manufacturing process



# Mass Casualty incident Management

## What is a Mass Casualty incident?

It is any event that places excessive demands on personnel and/or equipment



# Types of common MCI's

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- 🚑 - Highway accidents
- 🚑 - Air Crashes
- 🚑 - Major Fires
- 🚑 - Train Derailments
- 🚑 - Building Collapses
- 🚑 - Sport Stadium disasters
- 🚑 - Hazardous Materials Releases
- 🚑 - Earthquakes
- 🚑 - Tornadoes
- 🚑 - Hurricanes
- 🚑 - Floods



# Triage Area

-  - All the injured are taken to this area
-  - This is the area where the injured is triaged by medical staff
-  - Patients are given triage tags to show treatment priorities and taken to proper area prior to evacuation to a medical facility



# Venue Operation Center

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-  - All relevant role players to be present
-  - Operation center to be one of first units operational
-  - Suitably qualified and appropriately ranked personnel represented





**THANK  
YOU**

