



***The Six Degrees of Separation  
Between You and Third World  
Medical Status***

# Could Be My ER at 2 AM



# *Hospital With A Great Disaster Plan*

?



# How the HECK should I know the LOAD BEARING capacity of the HOSPITAL ROOF ?



***Could This Be YOU !!!!!***

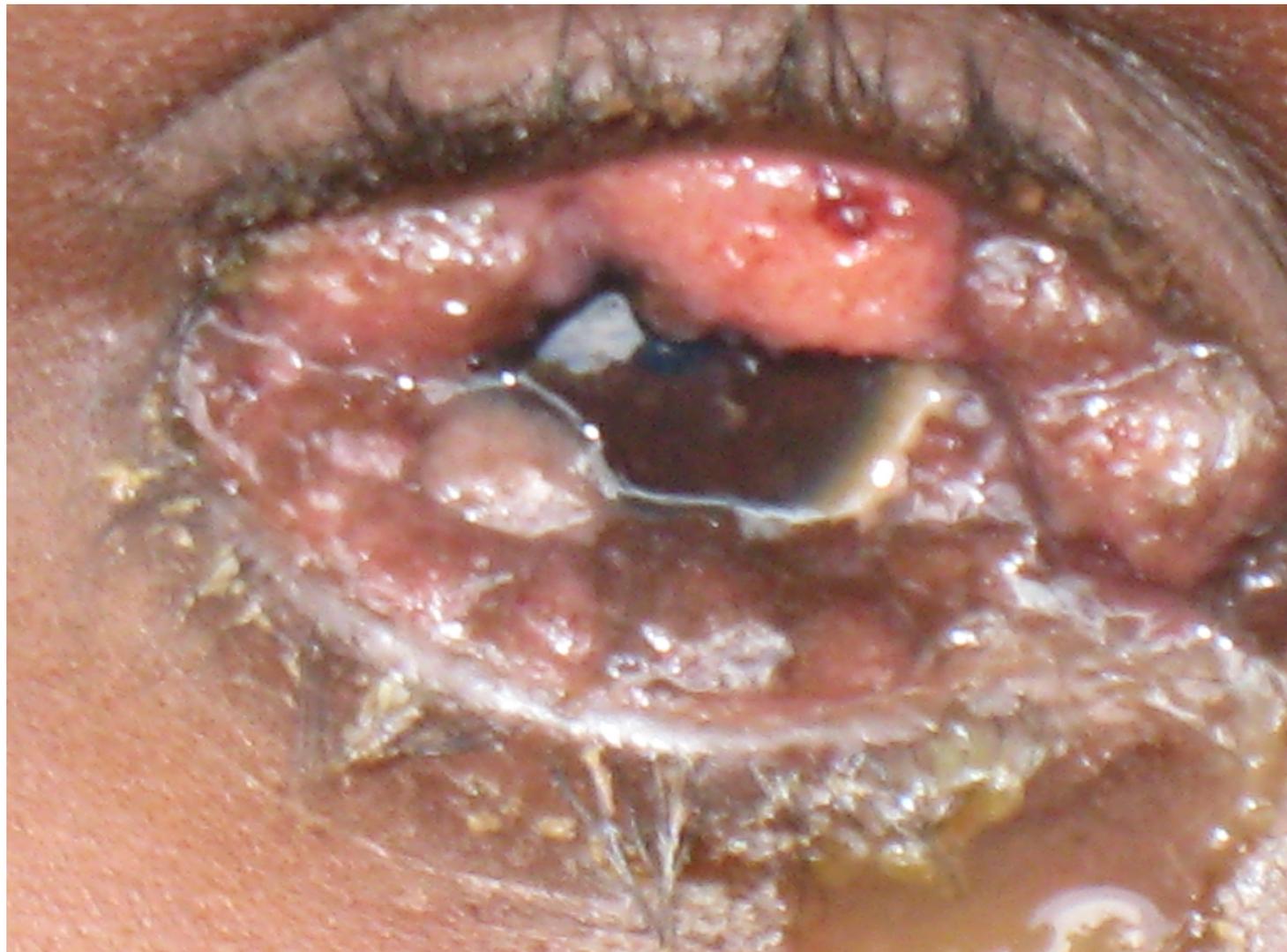


# ***Did This Really Happen ?***



# ***What ? I needed a CONTINGENCY PLAN***





**Where is the nearest Clinic**

# ***Mass Casualty in Tanzania***



# One Step Away



# *From THIS*



*Or This*



# *Six Disasters that Can Separate You From Your First World Status*

- **1. Epidemic/Pandemics**
- **2. Biological**
- **3. Chemical or Chemical Spills (trains)**
- **4. Nuclear-Radiologic (WIPP Site)**
- **5. Explosive or Incendiary**
- **6. Natural Disasters**

**Hurricane**

**Earthquake**

**Fire**

**Tornado**

**Flood**

# *Epidemic-Pandemic of 1918*



# ***Biologic-Small Pox***





# Chemical Spills



# Nuclear



# Explosive



# Natural Disasters



# **We all have HICS**

***2001- 99 % of Hospitals Had Disaster Plans\****

***2008-Less than 50 % of Hospitals have  
adequate planning for the Six Degrees of  
Separation\****

\* US Department of Health and Human Services

# *Identify the Most Likely*



# Causes of Disasters



*Where YOU Live !!!*



# *Hurricane*



# ***Volcanos***



# *Flooding*



# Is It Safe ?



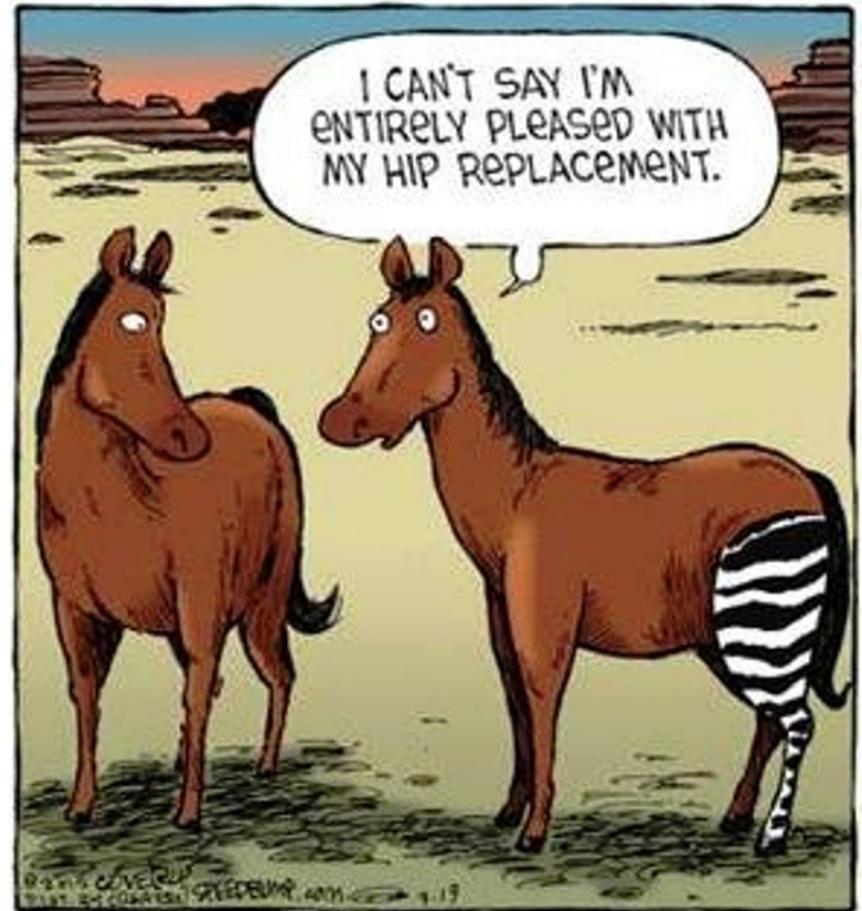


# ***What is Critical Infrastructure ?***

- ***People***
- ***Water- Potable***
- ***Food***
- ***Shelter***
- ***Security***
- ***Medical Supplies and Care Givers***
- ***Behavioral Health Intervention***
- ***Energy***

# ***Hospital Disaster Plans AND Cooperative Planning***

- ***Public Health Department***
- ***Local Political Officials***
- ***Behavioral Health***
- ***EMS Services***
- ***Fire Departments***
- ***Other Hospitals***
- ***Local and State EOC's***
- ***Law Enforcement***
- ***Hazmat Teams***



# *Public Health Departments*



# *Denton County Courthouse*



# Behavioral Health

## Disaster Behavioral Health:

**Myth:** Psychologists and other mental health professionals are too “touchy-feely” and out of touch with the here-and-now needs of the medical team.

www.CartoonStock.com



"Shh, wait! — I'm getting an astral message from Sigmund Freud!"

# ***Site for Behavioral Health Resources***

- ***[http://phe.gov/Preparedness/planning/abc/  
Pages/disaster-behavioral.aspx](http://phe.gov/Preparedness/planning/abc/Pages/disaster-behavioral.aspx)***

# ***EMS and Fire Departments***



# *I Like Red- Thanks Joliet*



# ***PACE***



# “Other Hospitals”





# ***Air Conditioning Optional !!***



# *Military Surgical Tent- Katrina*



# Mobile Medicine



# ***Mobile MRI's and ?***



# Modular ???



# *The New Way*



# *Modular Buildings*



# *8 day turnaround*



# ***Identify Surge Capacity and Alternative Housing for the Sick***



# *Remember Good Communications*



# ***EOC's State or Local***



# Mobile Command Center



# Be Sure to Calculate Costs



# *Federal and State Funding*



***Start One !!!***

**<http://www.citizencorps.gov/cert/>**



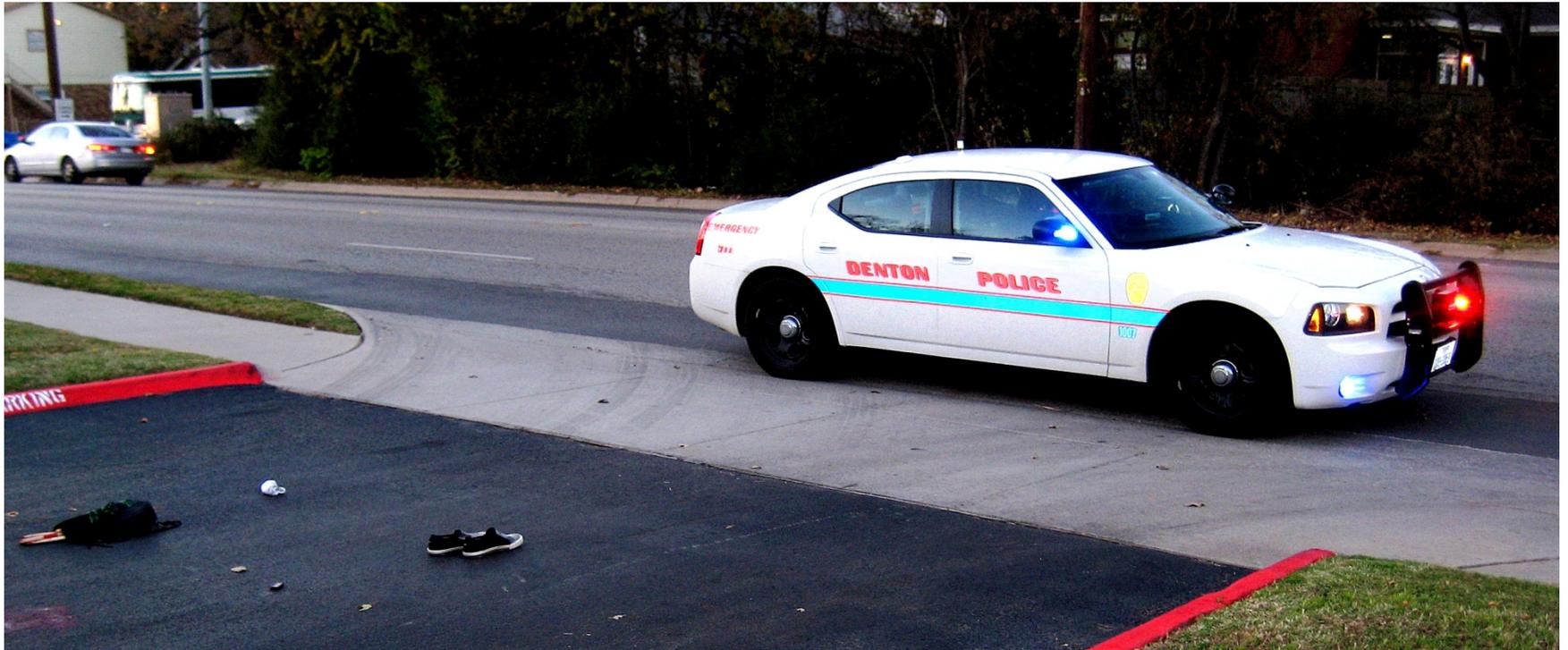
***Start One !!!***

***<https://medicalreservecorps.gov/HomePage>***

*medical  
reserve  
corps*



# *Law Enforcement*



# ***Safety Vs Security***



# Hazmat Teams



# ***“Special Preparations”***

***The Very Old***

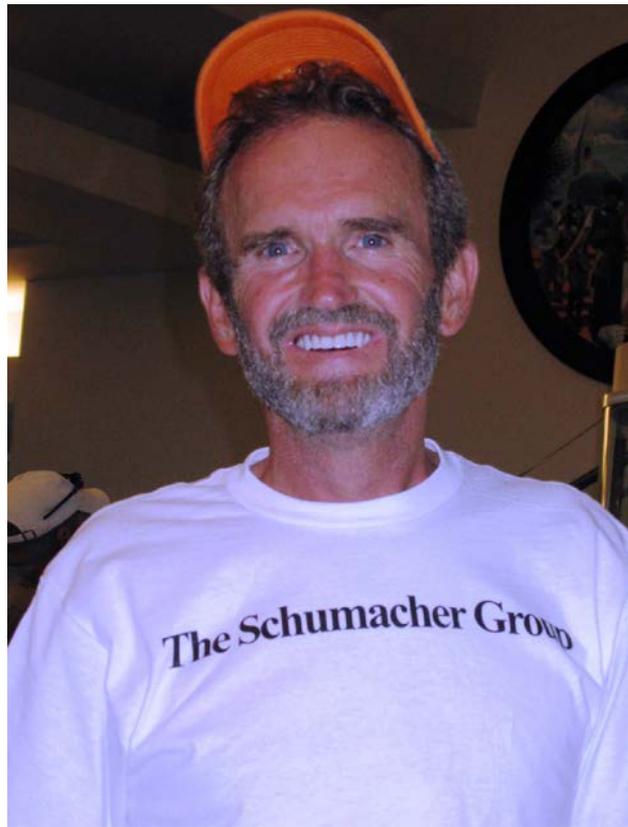


***The Very Young***



# ***Other At Risk !!***

***The Poor***



***Mentally Ill***



# ***SPECIAL WORD ABOUT PETS***



# Denali- Haitian Rescue !!



# ***Katrina Kitties- DVET TEAMS***

## ***Beware of Fractious Animals !***



# ***Quick Animal Resource List***

- [http://www.humanesociety.org/about/departments/disaster\\_preparedness.html](http://www.humanesociety.org/about/departments/disaster_preparedness.html)
- <http://www.avma.org/disaster/>
- <http://www.fema.gov/plan/prepare/animals.shtm>
- <http://awic.nal.usda.gov/companion-animals/emergencies-and-disaster-planning>

# ***Know About These***

- **Your Local Laws**
- **EMACS**
- **MUO**
- **Your STATE Recourse Contacts**
- **All States Have There OWN Ways**



# ***A Quick List of State Information***

- [http://www.aoa.gov/aoaroot/Preparedness/Resources\\_Network/emergency\\_preparedness.aspx](http://www.aoa.gov/aoaroot/Preparedness/Resources_Network/emergency_preparedness.aspx)
- <http://www.emergencymanagement.org/states/>
- <http://www.phe.gov/preparedness/pages/default.aspx>

# ***National Disasters Beyond State Capacity- After 911***



# ***Emergency Support Functions***

- ESF #1 – Transportation
- ESF #2 – Communications
- ESF #3 – Public Works and Engineering
- ESF #4 – Firefighting
- ESF #5 – Emergency Management
- ESF #6 – Mass Care, Emergency Assistance, Housing, and Human Services
- ESF #7 – Logistics Management and Resource Support
- 
- ESF #8 – Public Health and Medical Services
- 
- ESF #9 – Search and Rescue
- 
- ESF #10 – Oil and Hazardous Materials Response
- ESF #11 – Agriculture and Natural Resources
- ESF #12 – Energy
- ESF #13 – Public Safety and Security
- ESF #14 – Long-Term Community Recovery
- ESF #15 – External Affairs

# ***ESF- 8***



# Summary



- **Define Your Potential Disasters- 6 Degrees**
- **Canned Plans to Real Plans**
- **Make Disaster Medicine Every Persons 2<sup>nd</sup> Specialty**
- **Find Your Enthusiastic People**
- **Identify Collaborative Partners**
- **Understand Critical Infrastructure Where you Are !!**

# ***Confusion Always Happens***



# Questions ?



