Disasters and Resilience

Terrorism, Toxins, Communicating and Caring

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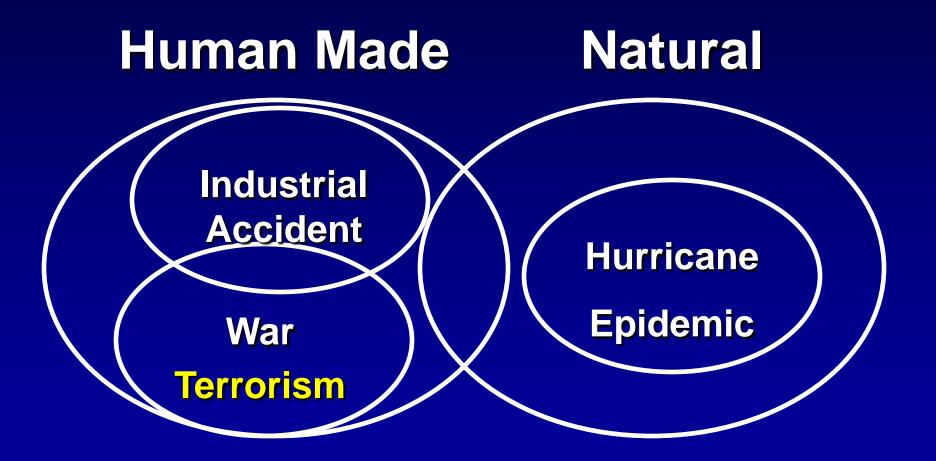
Disaster Psychiatry

Individual and Population Mental Health Care

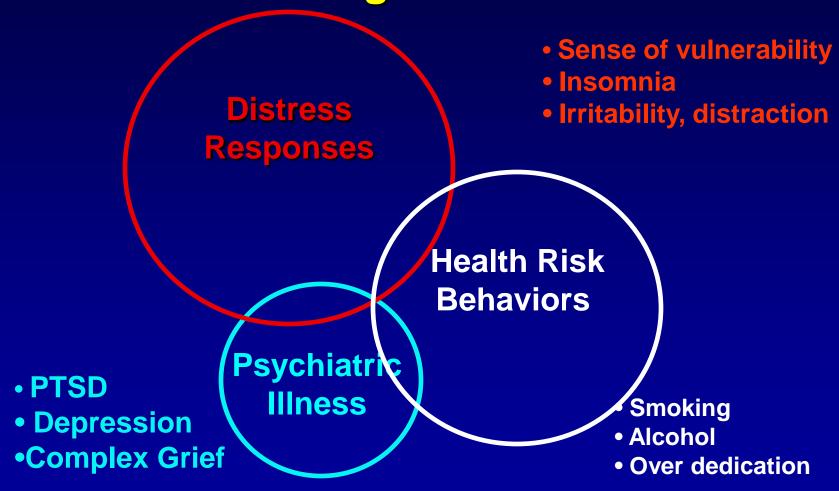
- Disaster Behaviors
- Disaster Mental Health
- Public Health (Population Care)

Preparing, Responding and Recovering First Responders

Disasters



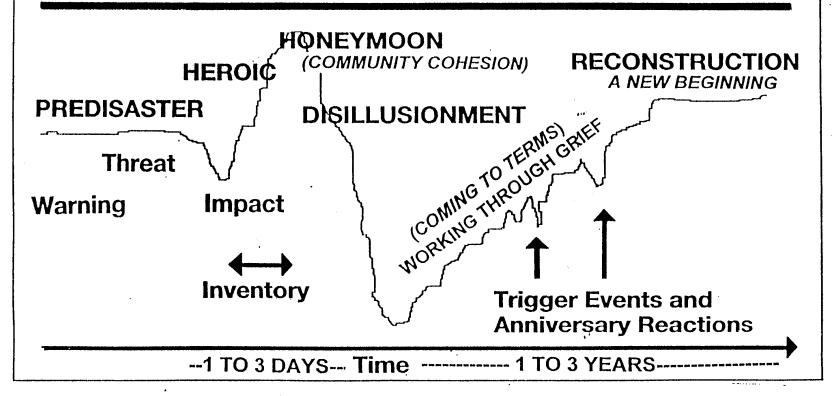
Mental Health Responses to Disasters and Public Health Emergencies



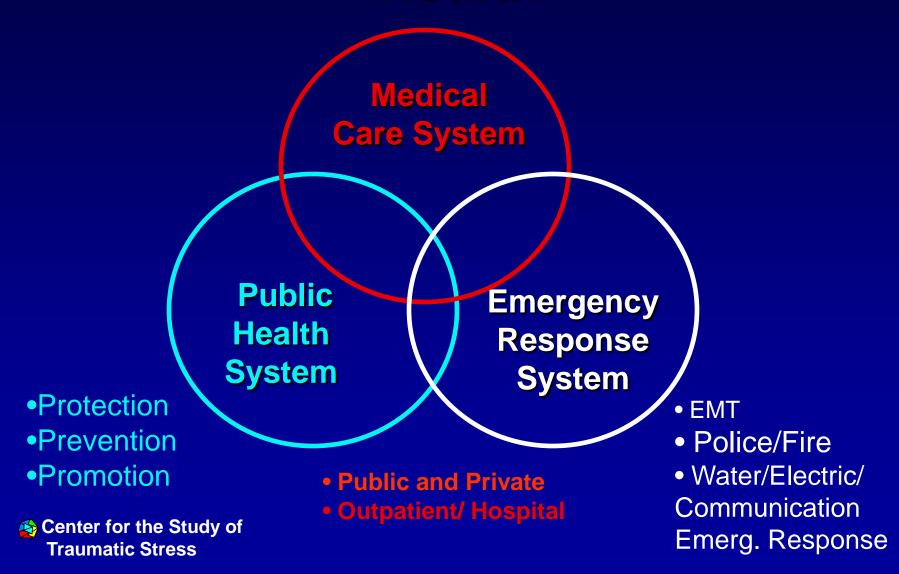
Psychological and Behavioral Intervention Matrix (Bio)

| | Agent: | Vector: | Population: |
|--------|---|-------------------------|---|
| | Anthrx/Terror | Terrst/Mail | Person |
| Pre | -Premedication -vaccination -Air detection sys | -Airport Screening | Preparedness Behaviors -Participation in Vaccination -Information/plan. |
| During | -Specific medicaion rx -supportive rx -Masks/Cover | -Security -Detectors | Response Behaviors -Quarantine -Evacuation -Grief Leadership -Social Distancing |
| Post | -rehabilitation | -Justice system | Recovery Behaviors -Help seeking -Specific Rx's |

Phases of Disaster



Terrorism and the Public's Health



Loss of Access to Routine Medical Care and Home Care

- Hurricane Andrew: 1000 Physician Offices, 4
 Mental Health Facilities, 11 pharmacies, 7
 Convalescent Homes, 2 Dialysis Units, 38
 Assisted-living Facilities
- Home Health Care: Nursing, Oxygen, suction, IV antibiotics, medication, ventilation, chemotherapy
- Therefore, chronic medical conditions worsen and care is sought at already overburdened hospitals

Psychosocial Responses to Terrorism and Disaster

Resilience/altruism

Horror

Anger

NOT Panic

Fear

Sleep problems

Increased Alcohol and Smoking Use

Grief

Anger at government

Blaming

Scapegoating

Social isolation

Demoralization

Loss of faith in social institutions

Paranoia

Disaster Community



Post-Traumatic Stress Disorder (PTSD)

PTSD not uncommon after many types of traumatic events

Examples: Motor vehicle accidents and industrial explosions

Nearly all have the acute form at some point

- Can develop in people without psychiatric history
- Rapid recovery is the norm

Treatment Across The Domains of Illness

| | PTSD | MI | Multiple Sclerosis | Back Pain |
|--|---|------------------------------------|-----------------------|--------------|
| Disorder | The Glue Self Repair | ICU | | |
| Symptoms | Withdawal Nightmares | Nitroglyce rin | | |
| Impairment Of Function | Marital Disruption Job | Walker Job Couns. | | |
| Disability | Job "phobic" | Lg Trm Plan and Asst | | |
| Co-Morbid Conditions | Depression Subst Abuse | Hypertensi on Hyper chol. | | |
| Trajectory- Prev of Relapse/Chro | Acute, Chronic, Delayed Recoverying | Life Style Changes (smoking) | | |

Oklahoma City Terrorist Attack

(at 6 months)

34% PTSD25% Depression

40% Never had a Psychiatric Problem in the Past

Those with no previous psychiatric illness are at risk

Oklahoma City near Murah Blg (DIS study)

USAF POWs returning from Vietnam

Twin studies of Vietnam Combat Veterans