The Dutchess County



Community Building for Emergency Preparedness

Northern Metropolitan Health Care Foundation *June 2004*



Medical Reserve Corps in Dutchess County

- Mission: To assist existing medical response professionals & facilities in response to a large scale disaster
- A demonstration project that is:
 - Directed by the Northern Metropolitan Health Care Foundation
 - Funded by the US Department of Health & Human Services, through the Office of the Surgeon General
 - A program of the US Citizen Corps
 - Based on needs of local Founding Partners



Founding Partners

County Executive's Office County Department of Health County Department of Emergency Response County Department of Mental Hygiene American Red Cross Hudson Valley VA Healthcare System 3 Community Hospitals Northern Metropolitan Hospital Association & Healthcare Foundation

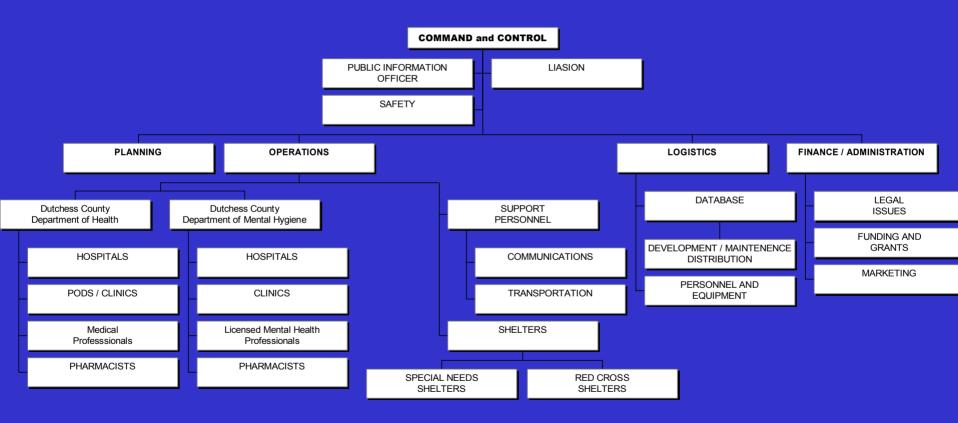


Underlying Perspectives

- MRC a vital part of County ER plan
 - Fits into existing Emergency Response structure & utilizes ICS
 - Supplements resources of founding partners
- All-hazards approach
- Our roles:
 - Involve the founding partners
 - Keep founding partners connected
 - Educate leaders of the community



Dutchess County Medical Reserve Corps Works within ICS/NIMS



Foundational Concepts to Involve and Connect the Partners

Effective emergency preparedness and response:

- Involves multidisciplinary response organizations
- Includes bioterrorism and traditional hazards
- Addresses the "greatest good"
- Puts government in new and more visible roles than ever before
- Communicates simple but meaningful messages to the public
- Demands more of hospitals than ever before



Educating Community Leaders Who are Not Emergency Response Professionals

- Emergency preparedness involves terrorism, but also natural disasters
- Government more visible role than ever before
 - Department of Health
 - Department of Emergency Response/Services
 - Department of Mental Health/Hygiene
- More demanded of hospitals than ever before
- Community and individual responsibility to prepare



Terrorism Seems Foreign and Remote to Many...





... Despite Higher Prevalence of Domestic Acts of Terrorism

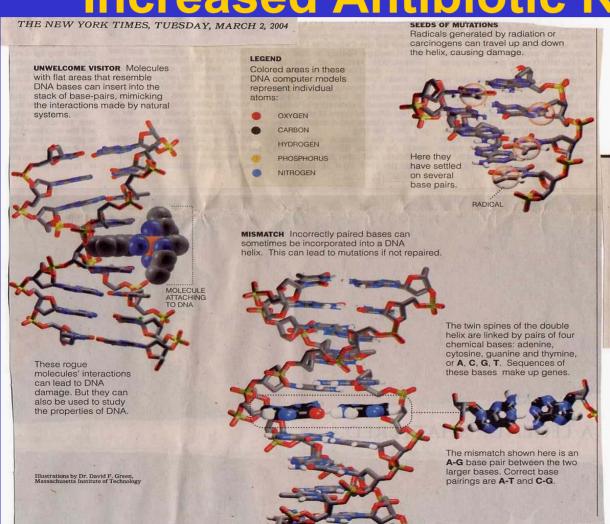




Oklahoma City Bomber Timothy McVeigh



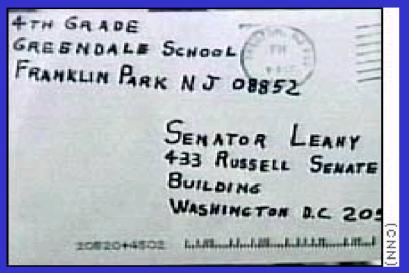
Overuse of Antibiotics + Newer, Stronger Bacterial Organisms = Increased Antibiotic Resistance

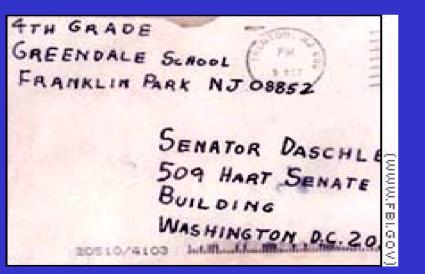


Bacteria Run Wild, Defying Antibiotics



Biological Agents Attack







- Waterborne outbreaks
- Incubation 2-10 days
- Symptomatic 1-2 weeks: diarrhea, cramping, vomiting, headache, aches, fever
- No effective therapy
- TX '84, GA '87, OR '92
- WI '93: 400,000 victims



Natural Disasters Debilitate





Tornado – 2004

Blizzard - President's Day Weekend 2003



Hurricanes

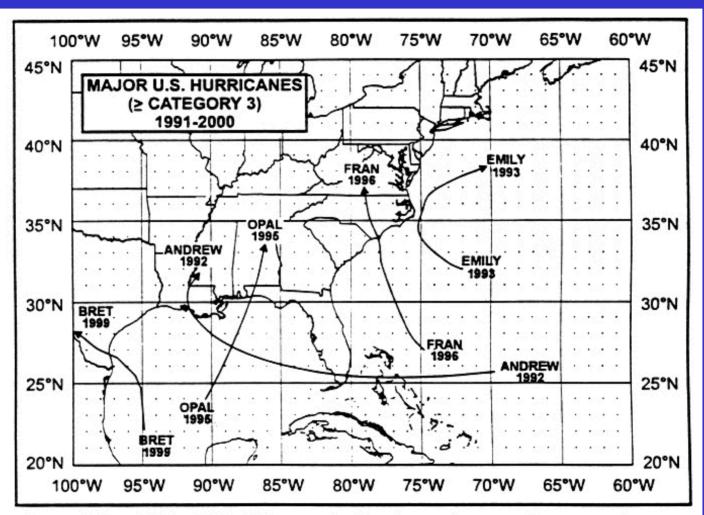


Figure 10. Landfalling United States major hurricanes (stronger than or equal to a category 3) during the period 1991-2000.

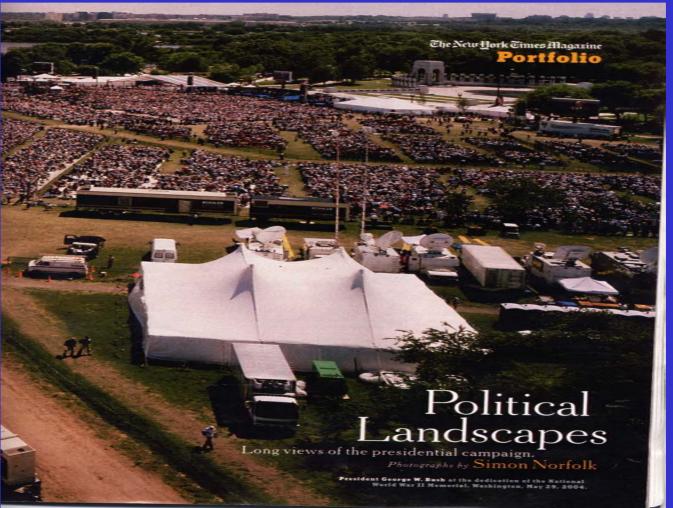


Natural Disasters Debilitate



California at Night During Fires
November 2003







Organizational Recruitment

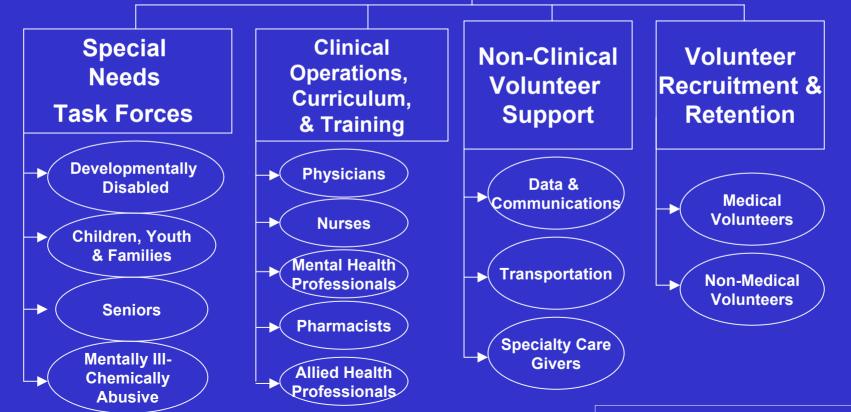
- Organizational, noncompetitive recruitment strategy
 - Hospital staff members accessed through hospital agreement to release them as agents of the county
 - EMS, fire & police volunteer role is to help educate MRC volunteers PRIOR to disaster – already committed *during* disaster so highly *unlikely* to be activated as MRC volunteers
- Have already worked with over 60 organizations to develop MRC
 - Natural partners in emergency response
 - Leading health & human service organizations



Community Building & the MRC

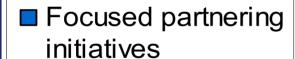
Founding Partners Committee

DC Executive, DC DoH, DC Dept. Emergency Response, DC Dept. of Mental Hygiene, NorMet, Northern Dutchess Hospital, St. Francis Hospital, Vassar Brothers Medical Center, VA Health System, American Red Cross, HV Pharmaceutical Association, Dutchess County Medical Society, TF Chairs

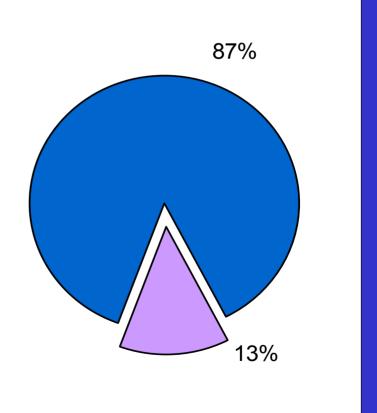




Volunteer Recruitment by Type of Outreach



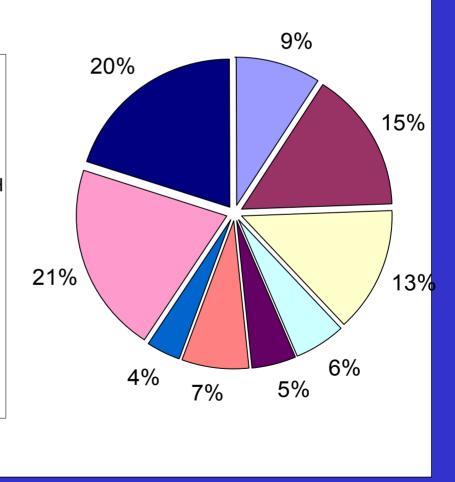
Personal referrals





Volunteer Recruitment by Organization Outreach

- Commissioner
 Mental Hygiene
- SNS Drill
- □ Personal Referrals
- Commissioner DOHMed Society
- Task Forces
- Pharmaceutical Society
- NYSNÁ
- Poughkeepsie Journal Articles
- Citizen Corps & RSVP





MRC Serves as a Vehicle for Community Surge Planning

- Negotiate agreements to share information among competitive organizations
- Special Needs Task Forces
 - Fostered organizational and community preparedness in human service sector
 - Developed strategies for responders and community to support special needs populations in disaster



MRC Serves as a Vehicle for Community Surge Planning

Medical & Mental Health Committees

- Involvement from leaders of:
 - Departments of public health, emergency response, mental health
 - Medical society participation
 - Hospital emergency departments
- Discreet topics, monthly 1-2 hour meetings, actionable and measurable progress
- Define volunteer credentials, roles, and training



MRC Serves as a Vehicle for Community Surge Planning

Pharmacy Committee

- Involves hospital, chain and private pharmacies
- Defines routine local supplies, availability
 & potential conflicts in resources
- Refines protocols for:
 - ChemPack and SNS
 - POD distribution & support from pharmacists
 - MRC Pharmacist Volunteer involvement



MRC Committees Help Define and Quantify Surge

- Surge Capacity = Ability to care for patients by qualified personnel, in licensed beds
 - 24 hours to one week
 - Examined & released versus admitted
 - Walking wounded versus on stretchers
 - Within existing facility
- Identify & resolve conflicting resources
 - Personnel/staffing
 - Sites for PODs/shelters/remote care facilities
 - Suppliers of generators, medical supplies, transportation



Roles & Training for MRC Volunteers

- Roles based on needs of Founding Partners
 - Medical assistance
 - Many non-medical roles, too

- Training based on enhancing the special skills that volunteers already bring
 - Bioterrorism for MDs
 - Nursing in Mass Trauma
 - P-FLASH for Mental Health Professionals
 - Childcare in Disaster
- Training provided &/or hosted by partner organizations



Activation Procedure

- Activation to be headquartered at Emergency Operations Center
 - Command hub for community-wide decisions
 - Noncompetitive accessing of resources
 - Directs community-wide announcements via press/media & Community Alert Network



Activation Procedure

- Activated only by County Executive
 - By request of one or more founding partners
 - In part or whole, dependent upon need
 - Possibly in teams to address specific needs:
 - Health teams: Physician, nurse, pharmacist & mental health
 - Non-medical teams: childcare, security, engineering, and translators for PODS



Non-Disaster MRC Role

- To be defined in 2005
- All volunteers introduced to role of volunteers in founding partner organizations
- Additional possibility to carry combined preventive health message regarding diet, exercise & screening, based on work of:
 - American Cancer Society
 - American Diabetes Association
 - American Heart Association



"Our close proximity to New York City... compels us to prepare for public safety and homeland security issues we are enhancing our preparedness by continuing our collaboration with the Northern Metropolitan Health Care Foundation, local hospitals and the Red Cross to establish a local Medical Reserve Corps... to recruit a network of trained and credentialed volunteers to provide assistance with medical care, special needs care, as well as non-technical needs such as child care and transportation in the event of any man made or natural disaster."

Excerpt from the 2004 State of the County Address William R. Steinhaus, Dutchess County Executive January 26, 2004