

# Faculty Disclosure



Phyllis S. Dutton, RN

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Ms. Dutton has listed no financial interest/arrangement that would be considered a conflict of interest.



# **OMMRS PRESENTATION**

**Phyllis Dutton, RN, Alegent Health  
Regulatory Compliance**

**Community Emergency Preparedness Liaison  
Omaha Metropolitan Medical Response System  
Coordinator**



# OBJECTIVES

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- **Review OMMRS Mission Statement**
- **Brief review of OMMRS  
National / Local History**
- **Discuss OMMRS Committees and planning  
efforts for the Medical Community**
- **Current Projects**



# MISSION

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- The mission of the Omaha Metropolitan Medical Response System (OMMRS) is to *prepare* the local *medical community* in *partnership* with Public Health, fire, law enforcement, major businesses, government entities and community organizations of the city of Omaha and Surrounding communities for an *integrated* medical response to any disaster, including those that could result from a terrorist attack.



# WHY PREPARE

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- **Natural Disasters**
- **Nuclear Plants**
- **Transportation Hub**
- **Special Events**
- **Offutt Air Force Base**



# WHY PREPARE

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- **AGRICULTURAL STATE**
- **Agriculture-68% of worlds beef supply comes from the Midwest.**
- **1. Texas:13,600,000 head**
- **2. Kansas: 6,600,000 head**
- **3. Nebraska: 6,400,000 head**
- **4. Oklahoma: 5,200,000 head**
- **5. Missouri 4,350,000 head**
- **6 head of cattle per 1 cornhusker**



# WHY PREPARE

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- *“So far we are not equal until we kill 4 million Americans – among them, 1 million children. For sure, it is our right to fight them with chemical and biological weapons.”*
- **Chief Spokesperson for Osama Bin Laden Sheik Sulaiman Bu Gaith**
- **Arabic website – June, 2002**
- **August 2007—2 Million Children**
- **Recent threats**



# NATIONAL HISTORY

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- **The Defense Against Weapons of Mass Destruction Act of 1996 directed the Secretary of Defense to enhance capability and support improvements of response agencies**
- **The Nunn-Lugar-Domenici Amendment to the National Defense Authorization Act for FY 1997 authorized funding for "*medical strike teams*," and the subsequent development of the MMRS Program**
- **Ongoing Congressional appropriations have funded contracts with 124 MMRS jurisdictions**



# **NATIONAL HISTORY**

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**MMRS is the only Federal Government Program that directly supports enhancement of existing local first responder, medical, public health and emergency management by increasing systematic, integrated capabilities to manage a WMD mass casualty incident until significant external resources arrive and are operational (typically 48-72 hours).**



# LOCAL HISTORY

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- **1997: DoD and the Omaha Fire Department presented two programs one for Hospital Providers and one for Emergency First Responder**
- **Tabletop exercise six months later on a nerve agent released into the ventilation system during a sporting event**
- **AAR indicated three major issues that needed addressed**



# LOCAL HISTORY CONTINUED

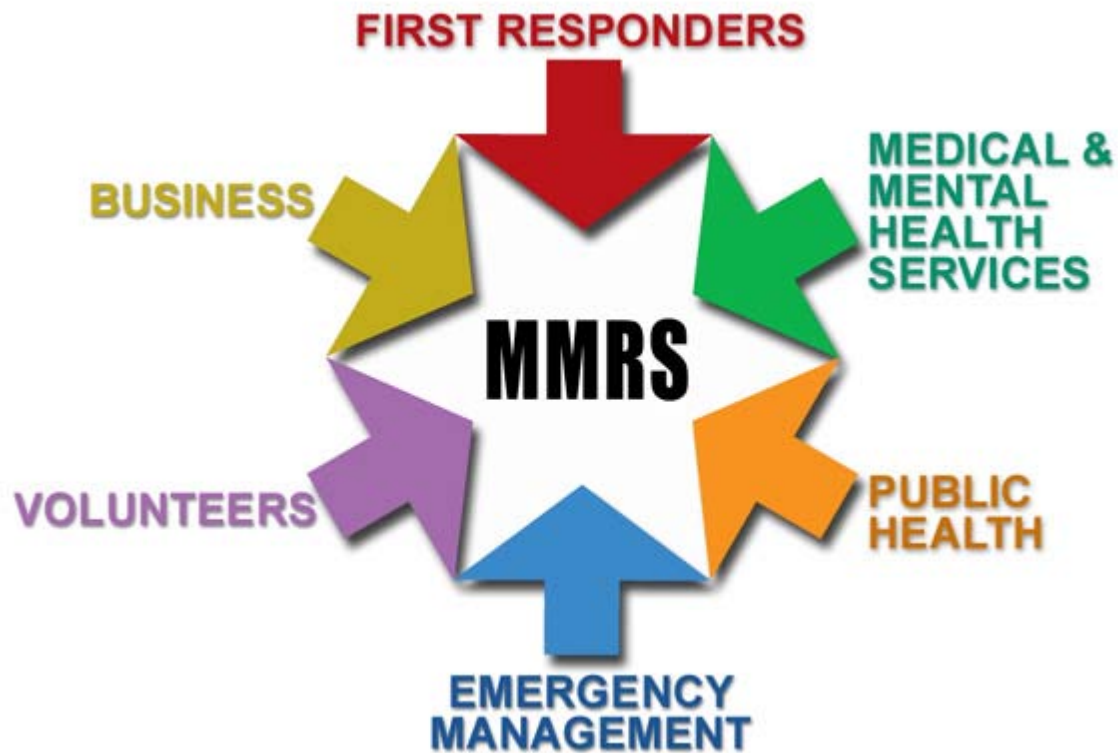
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- **Four agencies were invited to attend: Public Health, Emergency Management, Fire and Police Department.**
- **In 1999 we became more organized and selected chairpersons**
- **Expanded our membership to included other identified agencies**
- **Community plans were assessed and we applied for Federal funding**



# MMRS DESIGN

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# MMRS CITIES

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■ Original MMRS	27
■ MMRS 1999	20
■ MMRS 2000	25
■ MMRS 2001	25
■ MMRS 2002	25
■ MMRS 2003	<u>3</u>

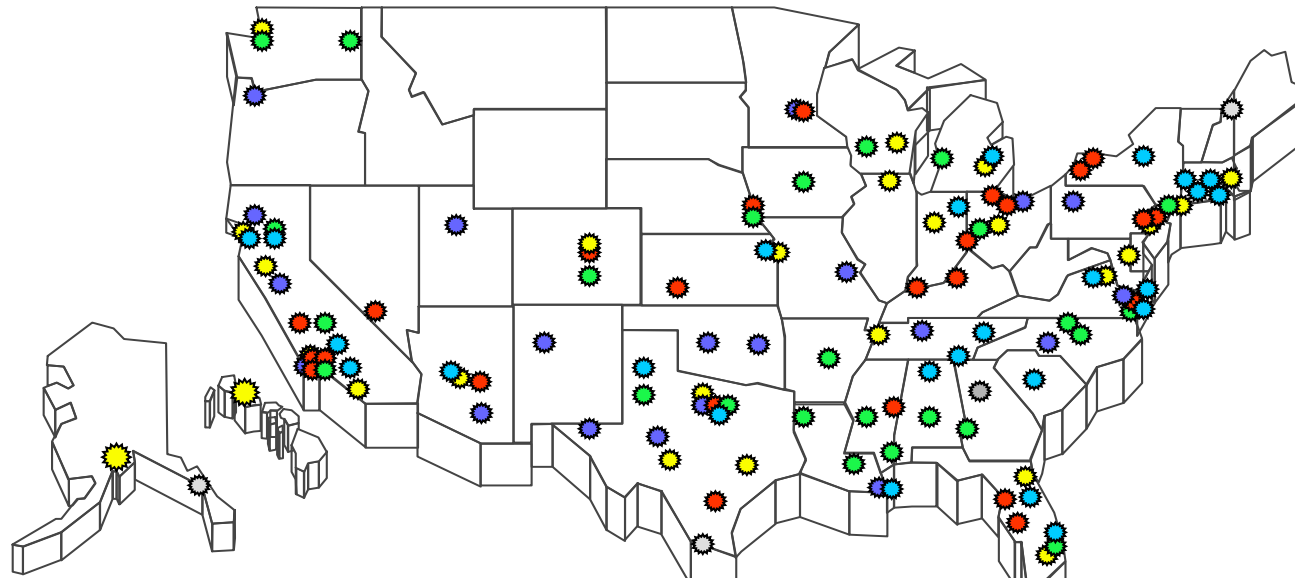
Total Jurisdictions = 125

Currently 124

**Changed from Strike teams to Response systems in 1999.**

# LOCATION OF MMRS CITIES

## Metropolitan Medical Response Systems



### Original

Anchorage, Baltimore, Boston, Chicago, Columbus, Dallas, Denver, Detroit, Honolulu, Houston, Indianapolis, Jacksonville, Kansas City (MO), Los Angeles, Memphis, Miami, Milwaukee, New York, Philadelphia, Phoenix, San Antonio, San Diego, San Francisco, San Jose, Seattle, Washington DC (MMST) [Note: Atlanta was also a MMST]



### 1999

Albuquerque, Austin, Charlotte, Cleveland, El Paso, Fort Worth, Hampton Roads (Virginia Beach) Area, Long Beach, Nashville, New Orleans, Oakland, Oklahoma City, Pittsburgh, Portland (OR), Sacramento, Salt Lake City, St. Louis, Tucson, Tulsa, Twin Cities (Minneapolis)



### 2000

Akron, Anaheim, Arlington TX, Aurora, Birmingham, Buffalo, Cincinnati, Corpus Christi, Fresno, Hampton Roads (Norfolk) Area, Jersey City, Las Vegas, Lexington-Fayette, Louisville, Mesa, Newark, Omaha, Riverside, Rochester, Santa Ana, St. Petersburg, Tampa, Toledo, Twin Cities (St. Paul), Wichita



### 2001

Baton Rouge, Colorado Springs, Columbus (GA), Dayton, Des Moines, Garland, Glendale (CA), Grand Rapids, Greensboro, Hialeah, Huntington Beach, Jackson, Lincoln, Little Rock, Lubbock, Madison, Mobile, Montgomery, Raleigh, Richmond (VA), Shreveport, Spokane, Stockton, Tacoma, Yonkers



### 2002

Amarillo, Arlington VA, Bakersfield, Chattanooga, Columbia, Fremont, Ft. Lauderdale, Ft. Wayne, Glendale, Hampton Roads (Newport News, Chesapeake) Area, Hartford, Huntsville, Irving, Jefferson Parish, Kansas City (KS), Knoxville, Modesto, Orlando, Providence, San Bernardino, Springfield, Syracuse, Warren, Worcester

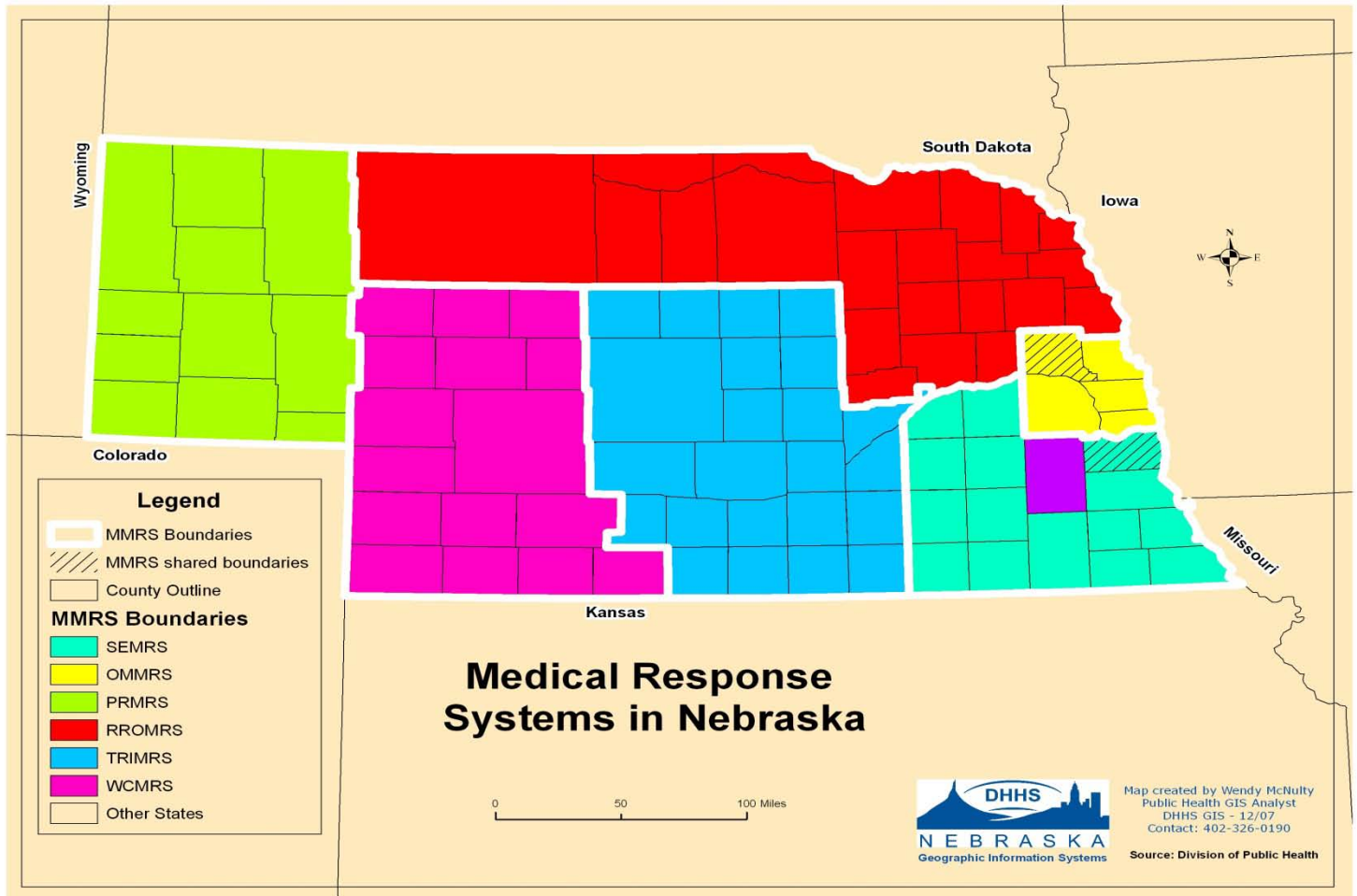


### 2003

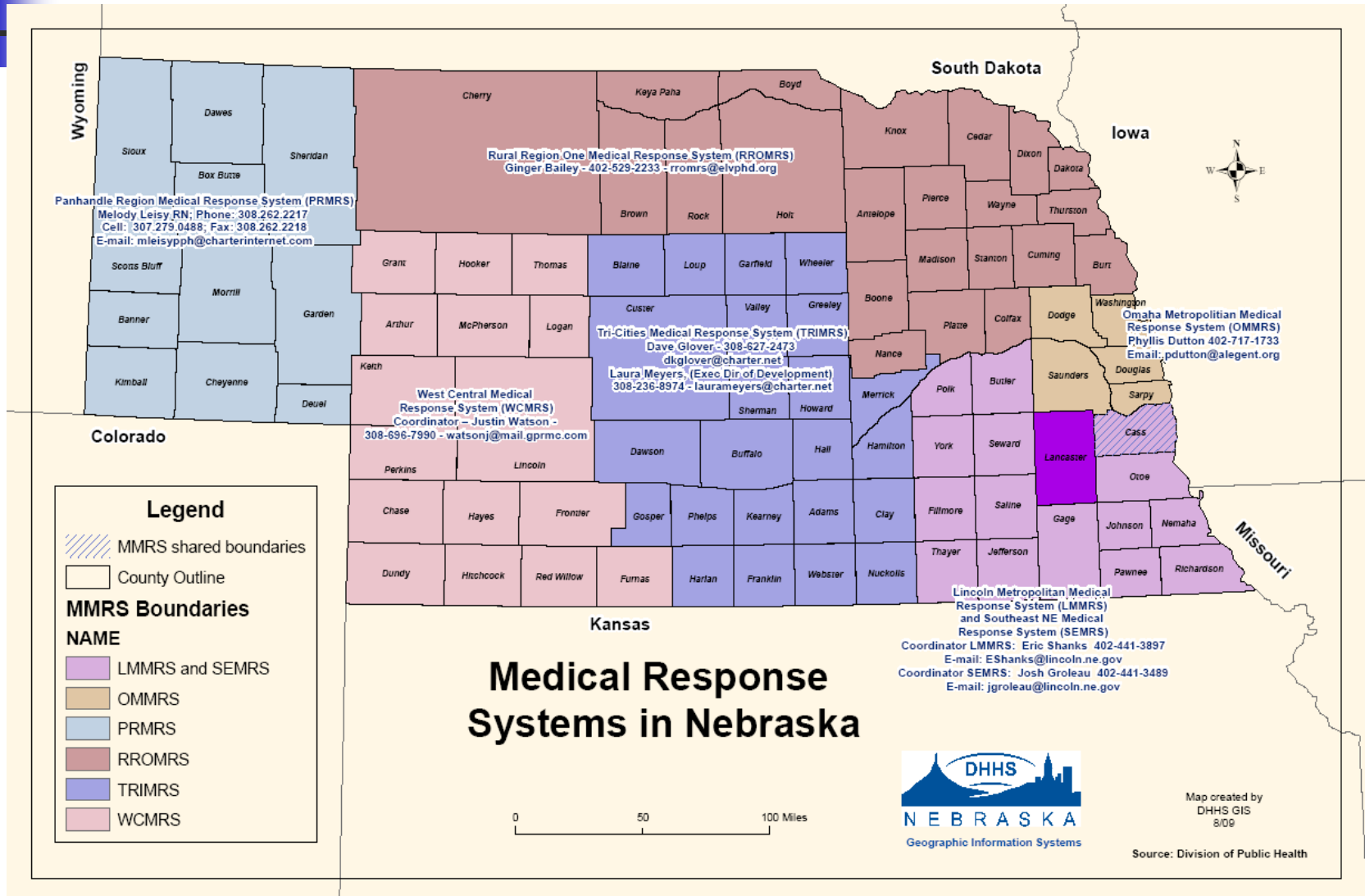
Atlanta Regional Coalition, Northern New England Region (New Hampshire, Maine, Vermont), Southern Rio Grande Region (TX), Southeast Alaska Region

As of March 31, 2004

# NEBRASKA MRS / MMRS COVERAGE AREAS



# MEDICAL RESPONSE SYSTEMS





# TWO FEDERAL FUNDED MMRS

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- **Omaha Metropolitan Medical Response System (OMMRS)**  
Coordinator: Phyllis Dutton RN 402.717-1733  
[phyllis.dutton@alegent.org](mailto:phyllis.dutton@alegent.org)
- **Lincoln Metropolitan Medical Response System (LMMRS) Coordinator LMMRS-- Eric Shanks**  
402.441.3897  
[eshanks@lincoln.ne.gov](mailto:eshanks@lincoln.ne.gov)



# FIVE STATE FUNDED MRS

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- **Panhandle Region Medical Response System (PRMRS)**  
Coordinator: Melody Leisy RN, 308.262.2217  
[mleisy@pphd.org](mailto:mleisy@pphd.org)
- **SEMRS -- Southeast NE Medical Response System (SEMRS)**  
Coordinator: John Cutler  
[jcutler@lincoln.ne.gov](mailto:jcutler@lincoln.ne.gov)  
[groleau@lincoln.ne.gov](mailto:groleau@lincoln.ne.gov)
- **TriCities Medical Response System (TRIMRS)**  
Coordinator Dave Glover, 308.627.2473  
[dkglover@charter.net](mailto:dkglover@charter.net)  
Laura Meyers, (Exec Dir of Development) 308.236.8974  
[laurameyers@charter.net](mailto:laurameyers@charter.net)

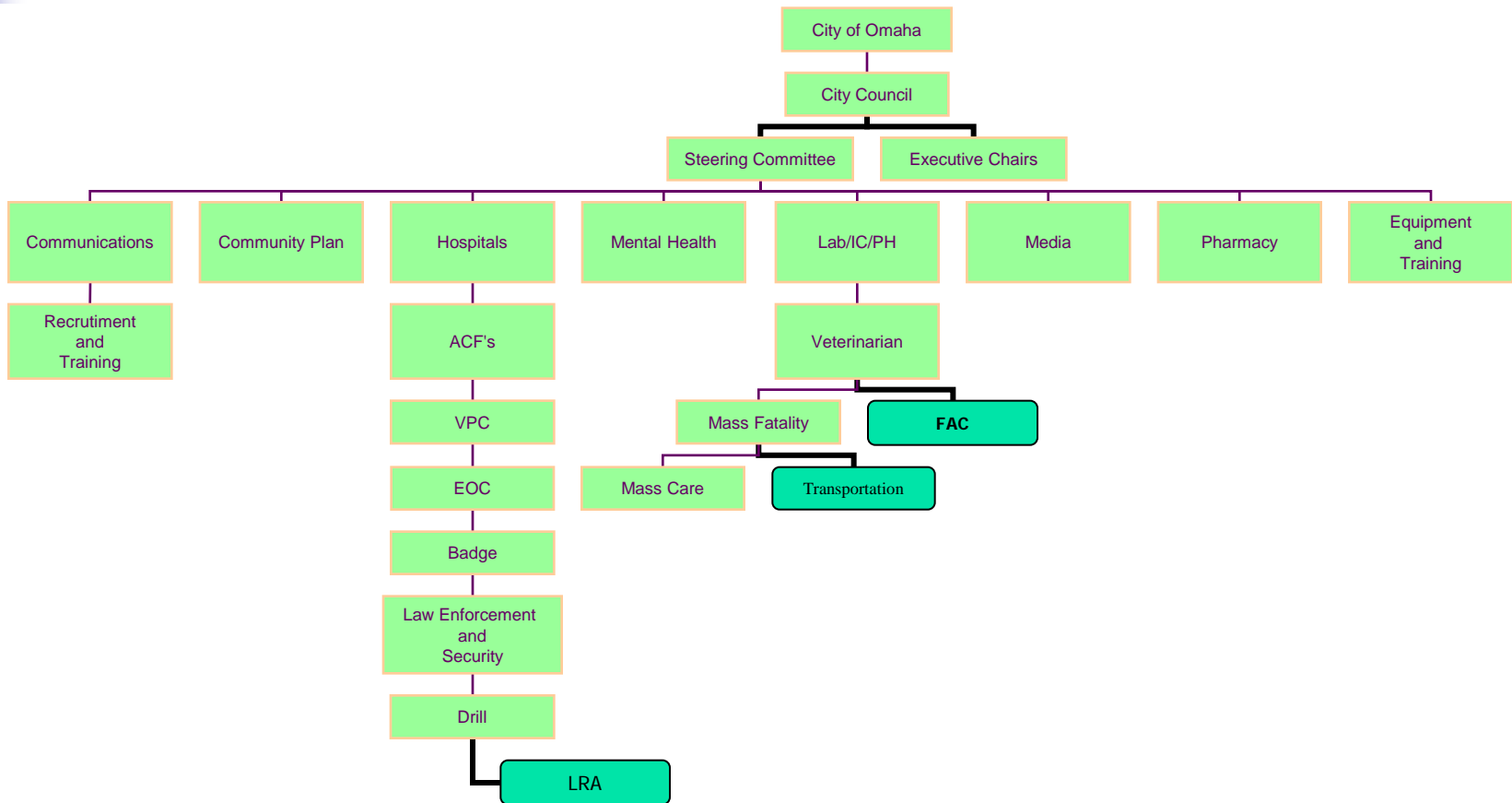


# STATE MRS CONTINUED

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- **Rural Region One Medical Response System (RRMRS)**  
Coordinator: Ginger Bailey RN 402.529.2233  
[rromrs@elvphd.org](mailto:rromrs@elvphd.org)
- **West Central Medical Response System (WCMRS)**  
Coordinator – Justin Watson, 308.696.7990  
[watsonj@mail.gprmc.com](mailto:watsonj@mail.gprmc.com)

# OMMRS STRUCTURE





# COMMITTEES

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## Alternate Care Facility (ACF):

- **Assessment of Clinics**
- **Phase 1: Clinic's associated with Hospitals**
- **Phase 2: Other Outlying clinics**
- **Phase 3: Federal help**
- **Phase 4: Pandemic Planning**



# **ESTIMATED THROUGH PUT**

## **Phase I and Phase II Clinics**

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- **Phase I – total exam rooms 407**
- **Phase I – total patients seen per hour 814**
- **Phase I – total patients per 8 hours 6500**
  
- **Phase II – total exam rooms 370**
- **Phase II – total patients per hour 740**
- **Phase II – total patients per 8 hours 5920**
  
- **Phase I and II – total per 8 hours 12,420**



# COMMITTEES

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## Badge:

### Coordination of Identification for those:

- Who need quick access/those who report at the time of the incident
- Time sensitive badges (event badges) for after the start of the event



# COMMITTEES

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## Communication:

- Phase 1: Radios/Antennas Metro area hospitals and specific community agencies
- Phase 2: Packet radio (wireless digital messaging) for Phase 1 sites
- Phase 3: 800 MHz system (Base Station)
- OMMRS Net
- FRS Radios

# COMMUNICATIONS



# FRS RADIOS





# 800 MHz Radio

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**XTS - 2500**



**XTS - 5000**

# COMMITTEES

## Community Plan:

- Assessment completed
- Gaps Identified
- Incorporate OMMRS Plans
- Letter of Resolutions- seven counties



## OMMRS/UASI Drill/Exercise design team:

- Test OMMRS Plans
- To meet regulatory and accreditory requirements

# EXERCISES



# EXERCISE



# EXERCISE





# COMMITTEES

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## Emergency Operations Center (EOC)

- Coordinator of Medical Resources and Supplies (CMRS)
- OFD Training/Education Division Lead
- Responsible for all functions at the medical desk (supplies, equipment/pharmaceuticals, personnel/ behavioral health, transportation)
- Trained workers from 5 Health Care Systems to assist CMRS
- Offutt and VA also represented at the table



# COMMITTEES

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## Equipment and Training

- Decontamination / PPE
- Radiological detection equipment
- Conduct Training Sessions on new equipment
- Trained Instructors
- Educational conference NBC agents
- Hospital Emergency Incident Command System
- Evaluates all equipment for purchase

# DECONTAMINATION



# DECONTAMINATION



# Personal Protective Equipment (PPE)



Secure threaded breathing hose connection

Lightweight, durable Breathing Hose



One-size-fits-all hood requires no fit testing while providing excellent protection against blood borne and viral penetration.

Wide, optically superior visor

# Personal Protective Equipment (PPE)



# Personal Protective Equipment (PPE)

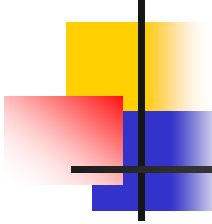


# Personal Protective Equipment (PPE)

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# PERSONAL PROTECTIVE EQUIPMENT



# iVent





# iVent 201

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- Adequate oxygenation and ventilation for all patient types and categories of events
- Efficient use of medical gas
- Easy to use
- Maximal patient and healthcare worker safety-  
Multi-level alarm system/Emergency backup modes/  
automatic adjustments to patient demands
- Battery or non-AC power source
- Inexpensive to maintain
- Effectively ventilation for short or long term
- Rugged platform



# COMMITTEES

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## Family Assistance Center (FAC)

- To assist families in locating loved ones
- To obtain information to assist in victim identification
- To offer Behavioral Health support

## Hospital:

- OMMRS Manual (All hazard)
- MOU's Hospitals / Long Term Care Facilities
- Pandemic Planning



# COMMITTEES

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## Law Enforcement/Security:

- **Assessment and Identification of Security Needs**
- **Plans for receipt of the SNS**

## LRA:

- **New committee to evaluate needs of Long Term, Residential, and Assisted Living facilities**
- **Focus on evacuation / shelter-in-place**



# COMMITTEES

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## Mass Care: Red Cross

- Assessment of Shelter needs
- School children/Masters of Disaster
- Pet Issues /Nebraska Humane Society
- Warehousing of supplies

## Mass Fatality:

- Mortuary Annex: equipment/  
personnel/clerical support
- Body Bags/handling chemically or biologically  
exposed bodies (bio-seal system)
- Preserving evidence
- Transportation issues



# COMMITTEES

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## Media:

### Central Briefing sites

- Sites Evaluated
- Letters of Agreement
- Public Relations involvement (staffing, equipment/training/pre-scripted messages)

## Behavioral Health: Region 6

- Behavioral Health Command Center—To Meet Needs of a Major Disaster
- Staffing of sites DAVES -ACF-FAC-RSS-VPC-Mortuary Annex



# COMMITTEES

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## Pharmacy:

- Assessment of existing Pharmaceuticals
- Reference Cards: NBC/EMS/Psychiatric
- SNS/DAVES/RSS preparations (Regional Hub) Sub-Hubs
- Established Resource Library

## Public Health/Infection Control:

- Biological Section of the Hospital Manual
- Established Notification process and guidelines for collecting/ sending samples for testing (Ne PH Laboratory)
- Vaccine/ Antibiotic Delivery



# COMMITTEES

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## Recruitment and Training:

- To provide radio communicators at OMMRS sites and to provide training
- Amateur Radio Emergency System (ARES)
- Radio Emergency Associated Communication Team (REACT)
- Training sessions (3 radios)

## Transportation:

- To address issues related to transport of victims, supplies, equipment, pharmaceuticals, and personnel.
- Help establish a data base of transportation resources
- Special needs data base



# COMMITTEES

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## Veterinarian:

- Nebraska Humane Society
- Adopted National Animal Disaster Response
- Developed Surveillance tool for tracking and reporting unusual animal mortality rates

## Volunteer Processing Center (VPC): United Way

- Sites to open to process volunteers
- Check Credential / Id Badges /Data Base
- Citizens Corp. Medical Reserve Corp



# PROJECTS

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## Family Assistance Center (FAC) / Mass Fatality

- Completion of the eight page VIP Personal Information form at the FAC
- Coordination with the Mortuary Annex
- Patient Identification
- Death Notifications
- Body Recovery issues (National Guard Teams)
  - CBRNE Enhanced Response Force package - CERFP
  - Fatality Search Response Team – FSRT



# PROJECTS

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- **Testing of the HAvBED Bed Tracking System and refining**
- **Testing Patient Tracking**
- **Develop Transportation Data Base**
- **GIS mapping**
- **Special needs identification and self volunteer reporting**
- **Working with Long Term Care, Residential and Assisted Living facilities**

# THE STRENGTH OF OMMRS COMMUNITY INVOLVEMENT

- Agencies working together
- Knowing each other
- Knowing each others capabilities
  
- QUESTIONS





# Questions

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- **Contact Information:**
- **Phyllis Dutton RN, Alegent Health Regulatory Compliance, Community Emergency Preparedness Liaison**
- **OMMRS Coordinator**  
**[phyllis.dutton@alegent.org](mailto:phyllis.dutton@alegent.org)**  
**402-717-1733**