Southeast Texas Regional Advisory Council

Developing and Sustaining a Powerful Healthcare Coalition
Meeting Objectives

• SETRAC Regional Healthcare Coalition: Facts and Focuses.

• Hurricane Harvey 2017 By The Numbers.

• Benefits of a strong Regional Healthcare Coalition – Response Evolution throughout the Years.

• Identify steps to Join the Regional Healthcare Coalition.

• Increase your knowledge in Regional Corridor Collaboration Aspects, Meetings, Trainings, Workshops and Exercises
Simple Definition of a Coalition:

1. The action or process of joining together another or others for a common purpose
2. The action or process of joining together with another or others for a common purpose
What is SETRAC
Regional Healthcare Preparedness Coalition

Under contract with the Texas Department of State Health Services, the RHPC is comprised of a network of healthcare agencies, EMS and response partners, public health officials and jurisdictional authorities within the twenty-five counties of Texas that make up TSA (Trauma Service Areas) Q, R, and H.

Mission: To develop and sustain a united and powerful coalition of providers, responders and other healthcare related partners to save lives and improve health outcomes through research, education and collaboration. By providing stakeholder support through planning, facilitation, data collection, operations and the provision of technical assistance to the region for Clinical and Preparedness services, we foster collaboration to educate our various communities to collectively deliver appropriately trained providers and embracing best practices.

On the Clinical side, our Trauma, Stroke, Cardiac, Pediatric, Maternal, and Perinatal committees work to establish standards of care and protocols for consideration/adoption by area hospitals, EMS agencies, and other providers.
The RHPC is divided into five corridors, served by a Chair and Vice-Chair

Our Coalition Region:
• 25 Counties
• 277 cities
• 9.3 Million* (36%)
• 877,000/disabilities* (24%)
• 190+ Hospitals
• 900+ Nursing Homes and Assisted Living
• 1700+ Home Health and Hospice
• 2200+ Outpatient Services and Clinics
• TSA Q, R, H
Our Corridors

Coalition Members
- Hospital & Healthcare systems
- EMS & Fire Representatives
- Jurisdictional organizations
- Long Term Care agencies and facilities
- Home Health & Outpatient Services

Corridor Meetings
- Every other Month
- Geographical Focus
- Community Engagement
- Communications
SETRAC FOCUSES

• Regional Disaster Preparedness: Risk Assessment / Planning / Training / Exercise

• Regional Disaster Response System of Care: CMOC / Medical & Resource Support / Evacuation & Repatriation / Information Sharing

• Regional Trauma / Cardiac / Stroke / Perinatal System of Care
Regional Healthcare Preparedness Coalition

Catastrophic Medical Operations Center
Providing Last Resort Medical Relief and Response
Catastrophic Medical Operation Center
Tropical Storm Allison - June 2001

30-40” rainfall over 5 days

All freeways underwater

Extensive flooding and subsequent evacuation

TMC “off-line” with ripple effect throughout community

Hospitals responding individually within systems

Loss of 3000 acute care beds and 500 ICU beds overnight
Hurricanes Katrina and Rita - August 2005

• Katrina
  • Transportation and transfer of 1100 patients into healthcare facilities during Hurricane Katrina

• Rita
  • 29 healthcare facilities evacuated during Hurricane Rita
  • 121 Nursing Home evacuations during Hurricane Rita
  • Coordination of 34 Counties and 2 States
  • Transportation and transfer of an additional 2400+ patients into healthcare settings
  • Hospital diversion rate = 0%
  • Post event QA – 0.08% error rate
Hurricane Ike - 2008

- Evacuation and repatriation of 56 hospitals
- Evacuation and repatriation of 220 nursing homes
- Transportation and transfer of 15,000+ individuals
- Oxygen Strike Teams
- Ambulance Staging
- Dialysis and Medical Special Needs Transport circuit
- 4 Forward Coordinating Units
Hurricane Harvey - 2017
HARVEY WAS “EPIC”

• Harvey dumped more than 27 trillion gallons of rain over Texas making it the “wettest” Atlantic hurricane ever measured.

• When at 19 trillion gallons of rain, the amount was comparable to 1 inch of water covering the entire states of Alaska, California, and Texas.

• The National Weather Service updated “the colors” it uses on weather charts to properly account for the amount of rain created by Harvey.

• One third of Houston completely flooded and the weight of the water sank the city temporarily by two centimeters.
HARVEY WAS “EPIC”

• Over 1 million cars were destroyed... and over 270,000 homes damaged or destroyed.

• Harvey brought about one year’s worth of rain to certain areas, like Bush Intercontinental Airport, in just five days.

• In just fifty-six (56) hours, Harvey strengthened from a tropical depression on August 23, 2017 to a Category 4 hurricane prior to landfall two days later.

• About 1,500 flights were canceled each day for five days straight at Houston airports.
HARVEY WAS “EPIC”

• The flood waters were grossly contaminated. Reportedly, forty (40) waste treatment plants were not operational and there had been containment failures at many.

• Air quality was impacted by a chemical plant explosion that triggered a toxic gas release, as well as other incidents that led to the release of pollutants.

• Two reservoirs in a populated area west of Houston were in danger of being breached. Water was released to avoid a catastrophe but flooded nearby communities.
HARVEY WAS “EPIC”

• Support came from many sources: 17,000 national guard troops from twenty-six states, the “Cajun navy” went door to door in boats, a furniture store owner opened his store as a temporary shelter, a cub scout troop in Maryland sent care packages with toothbrushes, etc.

• Most Houston area healthcare agencies remained operational throughout the storm, and within one week following the storm, approximately 95% returned to service.

• All hospital teams demonstrated heightened levels of preparedness and resiliency... a fact noticed by FEMA, the CDC, and ASPR.
Precipitation Event

Area covered in more than 50 inches of rain: 3,643 square miles

Area covered in 30 inches of rain: 11,492 square miles

Area covered in 20 inches of rain: 28,949 square miles

Source: Dr. Shane Hubbart, Cooperative Institute for Meteorological Satellite Studies
CMOC Operations – Harvey 2017

8:00am 8/25/2017 – 3:00pm 9/9/2017

CMOC Level 3 Activation > Level 1 Activation

1-Type 4 Ambulance Staging > 1-Type 1 and 1-Type 2 Ambulance Staging

Air Operations

Daily Healthcare Calls
Patient Movement and Coordination

Total Patient movement: 1544

Patient Movement Missions: 773

Hospitals Evacuated: 24

Nursing Homes/ALC evacuated: 20
Additional Considerations

- Search and Rescue
- Medical Transfers for HLC
- Mass Fatality
- Dialysis
- Mental Health
- Medical Support for Shelters
Regional Participation

- Complete CMS Agreement with SETRAC
- Participate in Corridor & RHPC meetings
- Shared Communication and situational awareness
- Common operating picture goals
- Online Learning Management System
- Apply for an EMResource account
- Take Advantage of Templates, Processes and Documents
- Participate in Periodic CMS Bootcamp Workshops – May 24th in Fort Bend County
- Participate in Annual Tabletop and Full Scale Regional Exercises
- Participate in Annual Preparedness Symposium
Now What?

- Review and fine tune your plans
- Reach out to key partners
- Integrate with your Healthcare Coalition
- Participate in planning, training, exercises and response
- Educate your staff and clients regularly
Thank You

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