

9/28/2017

REGIONAL HAZARD VULNERABILITY ANALYSIS REPORT





TSA-E Regional

Hazard Vulnerability Analysis Report

The Regional Hazard Vulnerability Analysis Report is a product of the TSA-E Healthcare Coalition including The North Central Texas Trauma Regional Advisory Council, TSA-E regional hospital and pre hospital partners, and EMS. The Regional Hazard Vulnerability Analysis Report is a product created in Year 17 of the Hospital Preparedness Program and is a vital tool for the advancement of the Healthcare Coalition. This report details the cumulative hazard results surveyed from hospital members as well as the qualitative analysis of the hazards that are a threat to the region. These findings will be used to drive future training, exercise, and planning initiatives in TSA-E.

Our region is exposed to many hazards, all of which have the potential to impact the community, causing casualties and damaging or destroying public / private property. With this in mind, it is critical that the Healthcare Coalition be aware of the potential impact. Throughout each program year, hospital representatives are encouraged to consider and remain aware of their top individual hazard and vulnerability levels. The responsible hospital staff members prioritize and assign their hazards and ultimately calculate risk, in collaboration with surrounding healthcare organizations and community partners as needed. All HVA results are consolidated into separate charts (also provided below) to show areas of concern based on the overall highest rated hazards, hazard vulnerabilities based on location within the region, and also separated by hazard classification.



The North Central Texas Council of Government (NCTCOG) conducted the 2017 Regional Threat and Hazard Identification Risk Assessment (THIRA) initial planning meeting. Many HCC members of the TSA-E Healthcare Coalition participated in the meeting and discussed the top ten hazards from this HVA. The THIRA process will consist of a survey method and the results from the survey are expected in November 2017. This survey will include the following recommendations of potential threats/hazards.

- Airplane Crash
- Dam Failure
- Explosive Devices
- Flood
- HazMat Release(Chemical
- Heat Waves
- Pandemic/HCID
- Power Failure
- Radiological/Nuclear
- Severe Weather
- Wildfire
- Winter/Ice Storm

HVA Top Survey Results – August 2017

The graphs displayed below have been generated from survey results provided by healthcare delivery partners in the region. In descending order of relative risk, the highest system wide threat events or hazards are:

Top Ten Hazard Vulnerability Analysis Regional Results
1) Tornado
2) Severe Thunderstorm
3) Electrical Failure
4) Chemical Exposure, External
5) Small Medium Size Internal Spill
6) Mass Casualty Incident, Trauma
7) Temperature Extremes
8) Information Systems Failure
9) Mass Casualty Incident, Medical / Infectious
10) Communications Failure

Hazard Vulnerability Analysis Results by Hazard

Natural Hazards

- 1) Tornado
- 2) Severe Thunderstorm
- 3) Temperature Extremes

Technological Hazards

- 1) Electrical Failure
- 2) Information Systems Failure
- 3) Communications Failure

Human Hazards

- 1) Mass Casualty Incident, Trauma
- 2) Mass Casualty Incident, Medical / Infectious
- 3) Bomb Threat

Hazardous Materials

- 1) Chemical Exposure, External
- 2) Small Casualty Hazmat Incident
- 3) Small Medium Sized Internal Spill

CONFIDENTIAL

Top Three Hazard Vulnerability Analysis Results By Zone

Zone 1

- 1) Mass Casualty Incident, Trauma
- 2) Severe Thunderstorm
- 3) Chemical Exposure External

Zone 2

- 1) Tornado
- 2) Severe Thunderstorm
- 3) Hostage Situation

Zone 3

- 1) Tornado
- 2) Chemical Exposure, External
- 3) Generator Failure

Zone 4

- 1) Tornado
- 2) Generator Failure
- 3) Mass Casualty Incident, Trauma

Zone 5

- 1) Tornado
- 2) Electrical Failure
- 3) Chemical Exposure External

Zone 6

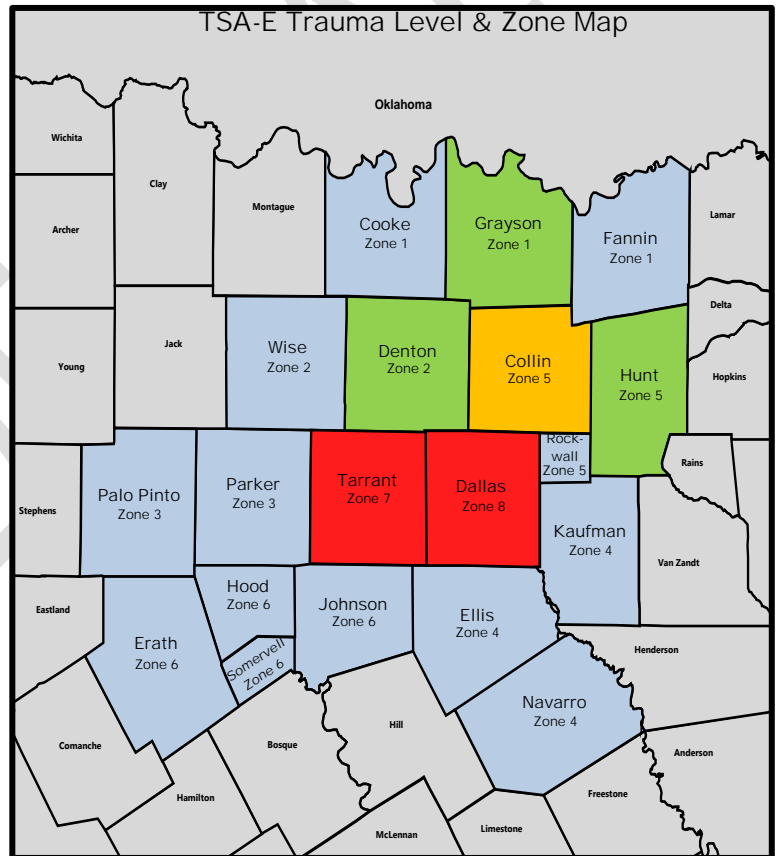
- 1) Tornado
- 2) Flood Internal
- 3) Mass Casualty Incident, Trauma

Zone 7

- 1) Tornado
- 2) Chemical Exposure, External
- 3) Mass Casualty Incident, Medical / Infectious

Zone 8

- 1) Tornado
- 2) Mass Casualty Incident, Trauma
- 3) Small Medium Sized Internal Spill



Trauma Level Designation
Trauma Level I
Trauma Level II
Trauma Level III
Trauma Level IV
No Trauma Facility