



Arizona Coalition for Healthcare Emergency Response – Central Region

Community Hazard Vulnerability Assessment – 2018/2019

Introduction

The Assistant Secretary for Preparedness and Response (ASPR) requires as a condition of accepting Hospital Preparedness Program (HPP) funding that a coalition conduct a community hazard vulnerability assessment (CHVA) on an annual basis. In identifying the region’s most significant risks – both natural and manmade – to the health care delivery service system, the assessment lends itself to an internal analysis of capacities and capabilities to address a medical surge, and subsequently is intended to determine resource needs and gaps.

Methodology

An online survey was administered to members through SurveyMonkey on October 11, 2018. All Designated Voting Representatives for healthcare organizations (n=183¹) were instructed to 1) complete their facility HVA(s) for 2018 if one had not already been completed; and 2) complete the survey for each licensed facility reported on the AzCHER-Central Member Facilities Form. (See Appendix B for this communique.) Responses were due to be submitted no later than close of business on October 31, 2018. A reminder was sent on October 29th.

A total of 135 facility responses were received. While 84% of respondents were from Maricopa County, 14% were from Pinal County, and 2% were from Gila County. Facility types represented included hospitals (24%), LTC/SNF (18%), ambulatory surgery centers (14%), dialysis centers (11%), hospice (9%), rural health clinics (8%), home health agencies (7%), and nine percent “other.”

The survey was constructed such that each facility was to select their top 10 identified risks from a pre-populated drop-down menu. Populated items were those included as options in the Kaiser Permanente HVA tool, which is reportedly the most frequently utilized tool for hazard assessment. This method of construction resulted in a series of 10 separate lists, with some items appearing across multiple lists. For example, the most common #1 risk was identified as Active Shooter. However, when calculations were applied to the raw data, this risk was moved to #4. Severe weather conditions rose to #1 and #2.

See tables below for explanation.

¹ A Designated Voting Representative (DVR) is the liaison to the member organization. Multiple facilities can be included under one organization. At the time the survey was administered, there were 201 member *organizations*, but only 183 receiving the survey because it was sent only to healthcare members (not EM, EMS, or PH). 135 *facilities* responded.



Table 1: Most Popular Risks

#1 Risk:

- Active Shooter – 23%
- Temperature Extremes – 20%
- External Fire – 10%
- Inclement Weather – 5%
- Communication/Telephone Failure – 4%
- IT System Outage – 4%
- Power Outage – 4%

#2 Risk:

- Workplace Violence/Threat – 19%
- Drought – 7%
- Inclement Weather – 7%
- Other Utility Failure – 7%
- External Fire 6%
- Power Outage – 6%
- Flood – 5%
- Patient Surge – 4%
- Temperature Extremes – 4%

This scoring mechanism did not allow for the identification of the top 10 *community* risks, and only provided a window into facilities’ risk rankings. As such, the data were aggregated and the number of responses to each identified risk was weighted according to its ranking (i.e., highest priority #1 versus lowest priority #10) and then summed. For example:

Table 2: Weighted Rankings (2 examples)

Threat	Ranking, Number of Responses per Rank, and Weight										Total Score	Weighted Ranking
	1	2	3	4	5	6	7	8	9	10		
Active Shooter	29 X 10	2 X 9	6 X 8	3 X 7	0 X 6	5 X 5	4 X 4	7 X 3	5 X 2	5 X 1	454	4
Temp Extremes	25 X 10	5 X 9	7 X 8	4 X 7	13 X 6	8 X 5	4 X 4	9 X 3	4 X 2	1 X 1	515	1

In addition to the member survey, the counties represented in the coalition’s service area were asked to share their own risk assessments to ensure alignment with member survey results. Maricopa County Department of Public Health and Maricopa County Department of Emergency Management responded with the following top 12 threats and hazards listed in alphabetical order: damaging wind, drought, dust storms, earth fissures and landslides, earthquakes, extreme heat, flooding, hazardous materials, monsoon storms, power outages, terrorism, and wildfires. Pinal County Public Health Services District and Pinal County Office of Emergency Management reported their top 10 threats, also listed in alphabetical order, as drought, dust storm, fissure, flooding, HazMat, health issues, power outage, severe wind, transportation accident, and wildfire. With significant alignment of identified county risks with facility risks, the Planning Committee came to a consensual agreement that the top 10 risks



identified in the survey would comprise those of the coalition. This was approved by the Leadership Team on December 7, 2018 and by General Membership on December 14, 2018.

Results

The top 10 risks identified by AzCHER-C membership (n=135 responses from individual facilities, not organizations) and their total weighted score are as follows:

1. Temperature Extremes	515
2. Inclement Weather	496
3. Communication / Telephone Failure	470
4. Active Shooter	454
5. Fire (External)	377
6. IT System Outage	375
7. Workplace Violence / Threat	354
8. Flood	351
9. Power Outage	310
10. Internal Fire	282

The 76-page survey report, the Excel file depicting computation of weighted scores, and other documents related to the 2018-19 CHVA, are available to members for download from the BaseCamp site.

Next Steps

Results of the 2018-29 CHVA will be utilized to complete the BP1S Resource Assessment; to direct coalition funds; to inform trainings and exercises; and to prioritize strategies to close or mitigate preparedness and response gaps within the coalition’s boundaries.



Appendix A: Members Participating in the 2018/19 CHVA

AdvisaCare Solutions of Arizona, LLC
AmSurg – Arizona Endoscopy Center
AmSurg – Phoenix Endoscopy
AmSurge/Envision – Gateway Surgery Center
Apache Junction Health Center
Arizona Autism United, Inc.
Arizona Department of Veteran Service – Arizona State Veterans Home – Phoenix
Bandera Group
Bandera Group
Banner Health – Banner Baywood Medical Center / Banner Heart Hospital
Banner Health – Banner Behavioral Health Hospital
Banner Health – Banner Boswell Medical Center
Banner Health – Banner Boswell Rehabilitation Center
Banner Health – Banner Casa Grande Medical Center
Banner Health – Banner Desert Medical Center – Cardon’s Children
Banner Health – Banner Estrella Medical Center
Banner Health – Banner Gateway Medical Center
Banner Health – Banner Goldfield Medical Center
Banner Health – Banner Home Care AZ – Gilbert
Banner Health – Banner Home Care AZ – Payson
Banner Health – Banner Home Care AZ – Sun City/Meeker
Banner Health – Banner Hospice – Gilbert
Banner Health – Banner Hospice – Sun City
Banner Health – Banner Ironwood Medical Center
Banner Health – Banner Payson Medical Center
Banner Health – Banner Estrella Surgery Center LLC
Banner Health – Banner Mesa Surgery Center LLC
Banner Health – Banner Peoria Surgery Center LLC
Banner Health – Banner Phoenix Surgery Center LLC
Banner Health – Banner Sun City West Surgery Center LLC
Banner Health – Banner Thunderbird Medical Center
Banner Health – Banner Union Hills Surgery Center LLC
Banner Health – Banner University Medical Center – Phoenix
Baywood Medical Associates – Desert Pain Institute
Beatitudes Campus – Beatitudes Health Care Center
Beatitudes Home Health
Bella Vita Health and Rehab Center
Brookdale North Chandler
Cancer Treatment Centers of America
Canyon Surgery Center
Center for Advanced Surgery
Complete Hospice Care of Phoenix



Covenant Health Network – 17 facilities (unlisted)
Davita – Brookwood Dialysis Center
Davita – Central Mesa
Davita – Estrella
Davita – Gilbert Dialysis
Davita – Mountain Vista of Arizona
Davita – Ocotillo Dialysis
Davita – Papago
Davita – Phoenix
Davita – Phoenix Home Dialysis
Davita – Power Road Dialysis
Davita – Raven Dialysis
Davita – Sweetwater Ridge
Davita – Westbrook Dialysis
Davita – Wickenburg
Dignity Health – Arizona General Hospital, Mesa
Dignity Health – Chandler Regional Medical Center
Dignity Health – Mercy Gilbert Medical Center
Dignity Health – St. Joseph’s Hospital and Medical Center
Dignity Health – St. Joseph’s Westgate Medical Center
Elite Home Health Services
Encompass Health of East Valley Rehabilitation Hospital
Encompass Health Scottsdale Rehabilitation Hospital
Encompass Health Valley of the Sun Rehabilitation Hospital
Ensign – Sun West Choice Healthcare and Rehab
Estrella Home Healthcare 2, Inc.
Everest Hospice in Goodyear
Eye Surgery Center at the Biltmore
Focus Home Therapy & Medical Services, LLC – Sante Home Health
Friendship Village of Tempe
Genesis Health Care – Estrella Center
Gila River Health Care – Ak-Chin Clinic
Gila River Health Care – East Dialysis Center
Gila River Health Care – Hu Hu Kam Memorial Hospital
Gila River Health Care – Komatke Health Center
Gila River Health Care – Red Tail Hawk Health Center
Gila River Health Care – The Caring House
Gila River Health Care – Thwajik Ke Residential Treatment Center
Gila River Health Care – West Dialysis Center
HonorHealth Rehabilitation Hospital
Horizon Health and Wellness – Broadway - AJ
Horizon Health and Wellness – Florence
Horizon Health and Wellness - Kearny
Horizon Health and Wellness - Oracle
Horizon Health and Wellness - Oracle
Horizon Health and Wellness – Plaza - AJ



Horizon Health and Wellness - Queen Creek
Horizon Health and Wellness – 115 2nd Street – CG
Horizon Health and Wellness – 210 Cottonwood – CG
Horizon Health and Wellness – 222 Cottonwood CG
Horizon Health and Wellness – 415 Baseline - Gobe
ICSAVE
Inspiring Home Health
Integrity Hospice Care
Lavender Hospice
Lifestream Complete Senior Living – LifeStream at Sun Ridge
Maricopa Integrated Health System – Maricopa Medical Center
Maravilla Care Center
Mayo Clinic – Mayo Clinic Hospital
Mountain Park Health Centers
North Scottsdale Ambulatory Surgery Center, LLC
Peoria Post-Acute and Rehabilitation
Sante of Chandler
Sante of North Scottsdale
Sante of Mesa
Sante Hospice
Sante of Surprise
Scottsdale Eye Surgery Center
Serenity Hospice and Palliative Care
Shanti Hospice LLC
Solace Hospice, LLC
Sovereign Health Care – Biltmore Surgical Center
Springstone – Copper Springs Hospital
Steward Health Care – Mountain Vista Medical Center
Suncrest Health Care
Swagel Wootton Eye Center – Eye Surgery Center of Arizona
Tenet Healthcare – Abrazo Arizona Heart Hospital
Tenet Healthcare – Abrazo Arrowhead Campus
Tenet Healthcare – Abrazo West Campus
The Center at Val Vista
Unity Hospice
USPI – Desert Ridge Outpatient Surgery Center
USPI – Physician Surgery Center of Tempe
Valliant Hospice and Palliative Care
Veterans Health Administration – Phoenix VA Health Care System
Volunteers of America – Westchester Care Center
Wickenburg Community Hospital
Windsor – Palm Valley Rehabilitation and Care Center
Wellsprings Therapy Center of Phoenix
19th Avenue Operations LLC – The Rehabilitation Center at The Palazzo



Appendix B: Email Requesting Survey Response

October 11, 2018

Designated Voting Representatives of AzCHER-Central,

As discussed in our General Body meeting last month, your health care coalition is requesting your participation in the community hazard vulnerability assessment (CHVA). Doing so may assist your organization in meeting regulatory requirements pertaining to sharing your HVAs with the community at-large.

Before you complete this survey, you will need to complete a hazard vulnerability assessment for each facility under your member Participation Agreement. Per CMS requirements, an HVA must be specific to each licensed facility – not the parent organization. Please use your most recent facility HVA, preferably one completed within the last 12 months.

When a facility's HVA is completed, use this survey tool (<https://www.surveymonkey.com/r/18-19CHVA>) to transfer the top 10 identified risks. If your identified risk is not listed in the drop-down menu, please select "Other" and specify that risk.

You, as the DVR, are tasked with distributing this survey to your facility managers IF your organization has multiple licensed facilities. This is easily done as a forward of this email with your custom introduction. You might also be responsible for completing this survey multiple times for multiple facilities; this survey will accommodate multiple submittals from one device.

Specified fields request the organization's name, the facility's name, and the facility's county and zip code. Once the survey closes, a report summarizing results as well as listing all participating facilities will be posted on BaseCamp. This report may be used to demonstrate regulatory compliance. The final "Thank You" page may also be printed to demonstrate compliance, but it will not list your facility's name.

The survey will close on Wednesday, October 31st. Due to time constraints imposed by completion of the regional HVA, the survey will NOT be reopened for those who miss this deadline.

Please let me now if you have any questions.

Thanks in advance for your participation!

Laura Dix
Director, AzCHER-Central