

### Emergency Preparedness Plan (EPP) Series 1: Hazard Vulnerability Assessment (HVA)

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February 15, 2023



### **Objectives**

- Identify 2023 EPP Educational Opportunities
- Highlight the HSAG EPP Website
- Explore HVAs, Tools, and Results



### **EPP Webinars**

- 3rd Wednesday of the month, 3–3:45 p.m. PT
- Register at: <u>bit.ly/epp-series</u>

EPP Webinar: 1. Hazard Vulnerability Assessment

EPP Webinar: 2. Incident Command System

EPP Webinar: 3. QSO-21-15-ALL and the EIDs Self-Assessment Tool

EPP Webinar: 4. Transportation: Know Thy Neighbors

EPP Webinar: 5. Business Continuity Planning and Supply Chain Management

EPP Webinar: 6. Care Coordination and Surge

EPP Webinar: 7. Engaging Your Staff—Being Prepared at Home

EPP Webinar: 8. Table-Top Exercises: Planning and the After-Action Report

EPP Webinar: 9. Top Ten ETag Deficiencies



### HSAG EPP Website

#### **Emergency Preparedness**

Healthcare providers, community-based organizations, and individuals in the community need to be ready to respond to emergencies, including Emerging Infectious Diseases (EIDs) and viral outbreaks such as COVID-19 or influenza, which can spread quickly and require a rapid, robust response to minimize spread. It is vital that all entities self-assess their ability to manage emergencies, are prepared with comprehensive and actionable emergency preparedness plans (EPPs), and are armed with checklists to operationalize logistics in the event of an emergency or healthcare crisis.

#### **Register for the Emergency Preparedness Webinars**

February 15–October 18, 2023 (Sessions 1–9) 3rd Wednesday of the month, 3–3:45 p.m. PT bit.ly/epp-series

Nursing Homes

### Emergency Preparedness → Webinars

### Ds as stated in QSO-21-15-ALL.

HSAG is supporting nursing homes to ensure that your center's EPP encompasses EIDs as stated in QSO-21-15-ALL. Below is a streamlined EID self-assessment checklist to download and complete with your team. This will give you a barometer reading of your center's EID preparedness strengths and opportunities for futher focus. After completing the checklist please submit your EID results using the button below so HSAG can offer your center specific assistance.

Hospitals	
Care Coordination	
Emergency Preparedness	
Infection Prevention	
Opioid Stewardship	

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**Need Help With** 

Your EPP?

QIO Events

# Download Nursing Home →



#### Hospitals

HSAG is querying hospitals to attest that an EPP is in place. Please submit your responses to these three questions by using the button below. HSAG is available to provide EPP support to hospitals in need of assistance.



#### https://www.hsag.com/emergency-preparedness

### **Poll Questions**

1. Do you need assistance with your EPP?

- a. Yes
- b. No
- 2. Nursing Homes Only: What template are you using for your EPP?
  - a. CAHF
  - b. MED-PASS
  - c. American Health Care Association (AHCA)
  - d. Other





## **HVA Training**

FEBRUARY 15, 2023

## Welcome and Opening Remarks

#### Marina Zamarron, MPA

Healthcare Coalition Coordinator County of Santa Clara Public Health Department, Emergency Preparedness

#### **Yvette Barajas**

SNF Coordinator County of Santa Clara Public Health Department, Emergency Preparedness

#### Jason Belden

Director of Emergency Preparedness CAHF

### Agenda

- Welcome
- HVA Overview Jason Belden
- HVA Tool and Results *Marina Zamarron & Yvette Barajas*
- Questions and Closing All

## What is an HVA?

Hazard Vulnerability Assessment (HVA) is a Risk Assessment.

Based off of the assessment the administrator will guide their Planning, Response, Mitigation, and Exercise cycle.

## **HVA Requirements**

**CMS:** Emergency Plan, which includes conducting facility-based and community-based risk assessments

• Every 2 years, except for long-term care facilities (LTCFs), which must review and update on annual basis

#### TJC EM.11.01.01:

The hospital conducts a HVA utilizing an all-hazards approach

**Note:** The hospital considers prioritized hazards identified in HVA in emergency operations plan (EOP), Communications Plan, Staffing Plan, and plans for patient care and clinical support, safety and security, resources and assets, utilities management, etc.

## Who?

- Generally conducted by a safety, response planner and or a risk management type professional; i.e., other duties as assigned for you or your staff
- How often: Annually
- Beneficial to obtain stakeholder input, so in other words, don't let the person who is "voluntold" to do this do this alone. Each department should have input.
- *Requirements: TJC, DNV, HFAP, and CMS*

## The Tool

- The tool we are presenting today is the Kaiser Hospital Vulnerability Assessment tool
- The majority of hospitals and healthcare facilities use the Kaiser tool because it's easy to navigate and understand
- Provides hazard descriptions to support completion of the assessment
- This tool calculates the level for each hazard: SEVERITY = ( MAGNITUDE – MITGATION ) to give you RISK
- Includes Incident Log to track real world events and Command Center activations, to be tracked throughout the year

## **Emerging Infectious Disease** (EID)—CMS Policy

- EIDs are a potential threat which can impact the operations and continuity of care within a healthcare setting and should be considered.
- The type of infectious diseases to consider or the care-related emergencies that are a result of infectious diseases are not specified.
- Adding EIDs within a facility's risk assessment ensures that facilities consider having infection prevention personnel involved in the planning, development, and revisions to the EPP.

## **EID—CMS Policy (cont.)**

- Some examples of EIDs may include, but are not limited to:
  - Potentially infectious bio-hazardous waste
  - Bioterrorism
  - Pandemic flu
  - Highly communicable diseases (such as Ebola, Zika Virus, SARS, or novel COVID-19 or SARS-CoV-2)
- EIDs may be localized to a certain community or be widespread (as seen with the COVID-19 PHE) and therefore plans for coordination with local, state, and federal officials are essential.
- Facilities should engage and coordinate with their local healthcare systems and healthcare coalitions, and their state and local health departments when deciding on ways to meet surge needs in their community.

## **Benefits**

- Once there are multiple years' worth of data that has been collected, you can benchmark your efforts to show improvement.
- Allows you to focus on areas that need improvement.
- CMS during survey will ask to see this; So will other accrediting bodies
- Your Preparedness Coordinator won't be guessing as to what is needing to be exercised.
- Insurance benefits: This tool is directly related to risk management, the more exercised the lesser your risk.
- Engage in emergency preparedness healthcare coalition trainings and exercises

## The Hazards

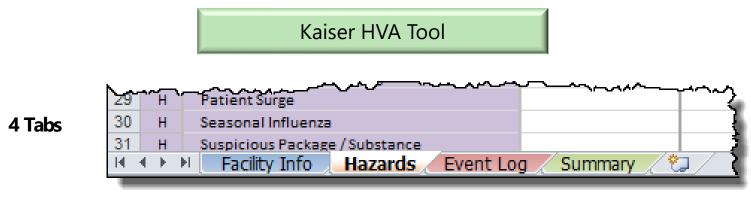
• Gather data on geographical vulnerabilities - <u>https://myhazards.caloes.ca.gov/</u>

CalOES GUERNARY'S OFFICE OF EMERGENCY SERVICES MYHAZARDS	Cal OES My Location Helping reduce your risks from natural hazards						
Home Earthquake Risk Flood Risk Fire Risk Tsunami Risk All Risks							
	🕕 High Risk 🏾 👖 Moderate Risk						
How does MyHazards work?							
MyHazards is a tool for the general public to discover hazards in their area (earthquake, flood, fire, and tsunami) and learn steps to reduce personal risk. Using the MyHazards tool, users may enter an address, city, zip code, or may select a location from a map. The map targets the location, and allows users to zoom and scroll to their desired view. The screen then presents information on the risks identified within the search radius, and recommended actions. MyHazards website performs best when using Internet Explorer. Hazard Data is approximate and data layer visibility are subject to the extent of the Map.							
Type in your address below to learn how to address natural hazards in your area.							
California address	Search Print						

- Gather any real-world incident that impacted your daily operations from the previous year(s):
  - Cyber security incident
  - Fire
  - Power outage
  - Infectious disease outbreak

Kaiser HVA Tool

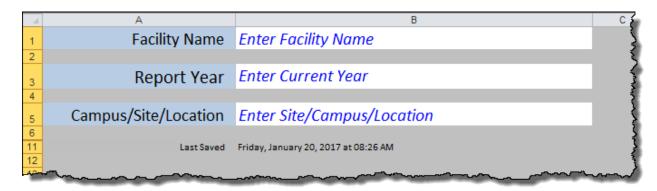
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1 Good Care Health Facility											
2 Hazard Assessment - East Campus Year -											
3 Emergency Management - Hazard and Vulnerability Assessment Tool											
6											
7		EVENT	PROBABILITY	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED- NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	RISK	
8			Likelihood this will occur	Possibility of Death or Injury	Physical Losses and Damages	Interruption of Services	Preplanning	Time, Effectiveness, Resources	Community / Mutual Aid Staff & Supplies	* Relative threat	
9	Type	H = Human Events	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A		
10	튛티	HM = Hazardous Materials	1 = Low	1 = Low	1 = Low	1 = Low	1 = High	1 = High	1 = High		
11	Σ.	T = Technological Events	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate		
12	Hazai	N = Natural Occurrence	3 = High	3 = High	3 = High	3 = High	3 = Low	3 = Low	3 = Low	0 - 100%	
13	н	Active Shooter								0%	
14	н	Bomb Threat								0%	
15	н	Child Abduction								0%	
16	н	Civil Disturbance								0%	
17	н	Cyberattack								0%	
18	н	Data Breach								0%	
19	н	Evacuation								0%	
20	н	Forensic Admission								0%	
21	н	Hostage Situation								0%	
22	н	Infant Abduction								0%	
23	н	Labor Action / Strikes / Work Stoppage							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0%	



- Facility Info
- Hazards
- Event Log
- Summary

Kaiser HVA Tool

#### **Facility Info**



	Hazards				Kaiser HV	4 1001					
- 4	A	В	С	F	G	Н	1	J	K	L N	
1	Go	od Care Health Facility									
2 Hazard Assessment - East Campus Year											
_	Eme	rgency Management - Hazard and	d Vulnerability A	ssessment Tool							
6						SEVERITY = ( MAGN	ITUDE - MITGATION )	)			
7		EVENT	PROBABILITY	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS	PREPARED- NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	RISK	
8			Likelihood this will occur	Possibility of Death or Injury	Physical Losses and Damages	Interruption of Services	Preplanning	Time, Effectiveness, Resources	Community / Mutual Aid Staff & Supplies	* Relative threat	
9	Type	H = Human Events	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A		
10	두	HM = Hazardous Materials	1 = Low	1 = Low	1 = Low	1 = Low	1 = High	1 = High	1 = High		
11	Hazard	T = Technological Events	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate		
12	윤	N = Natural Occurrence	3 = High	3 = High	3 = High	3 = High	3 = Low	3 = Low	3 = Low	0 - 100%	
13	н	Active Shooter								0%	
14	н	Bomb Threat								0%	
15	н	Child Abduction								0%	
16	н	Civil Disturbance								0%	
17	н	Cyberattack								0%	
18	н	Data Breach								0%	
19	Н	Evacuation								0%	
20	Н	Forensic Admission								0%	
21	н	Hostage Situation								0%	
22	н	Infant Abduction								0%	
23 24	H _~~~	Labor Action / Strikes / Work Stoppage						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0%	

#### Completing The HVA

### Probability

#### Severity

- Human Impact
- Property Impact
- Business Impact
- Preparedness
- Internal Response
- External Response

			SEVERITY = ( MAGNITUDE - MITGATION )									
	PROBABILITY		HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED- NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE				
		Pos	sibility of Death	Physical Losses and	Interruption of	Preplanning	Time, Effectiveness,	Community / Mutual				
	Likelihood this will		or Injury	Damages	Services		Resources	Aid Staff & Supplies				
	occur	0 =	= N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A				
	0 = N/A	1 =	= Low	1 = Low	1 = Low	1 = High	1 = High	1 = High				
		2 =	Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate				
	1 = Low	3 =	= High	3 = High	3 = High	3 = Low	3 = Low	3 = Low				
	2 = Moderate				-	-						
	3 = High											
1												

Completing The HVA

#### Probability

	SEVERITY = ( MAGNITUDE - MITGATION )									
PROBABILITY	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS	INTERNAL RESPONSE	EXTERNAL RESPONSE					
Likelihood this will occur 0 = N/A	Possibility of Death or Injury	Physical Losses and Damages	Interruption of Services	Time, Effectiveness, Resources 0 = N/A	Community / Mutual Aid Staff & Supplies 0 = N/A					
1 = Low 2 = Moderate	0 = N/A 1 = Low	0 = N/A 1 = Low	0 = N/A 1 = Low	1 = High 2 = Moderate	1 = High 2 = Moderate					
3 = High	2 = Moderate 3 = High	2 = Moderate 3 = High	2 = Moderate 3 = High	3 = Low	3 = Low					

#### **Severity**

- Human Impact
- Property Impact
- Business Impact

Completing The HVA

#### Probability

	SEVERITY = ( MAGNITUDE - MITGATION )									
PROBABILITY	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED- NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE				
Likelihood this will	Possibility of Death	Physical Losses and	Interruption of							
occur	or Injury	Damages	Services	Preplanning	Time, Effectiveness,	Community / Mutual				
0 = N/A	0 = N/A	0 = N/A	0 = N/A		Resources	Aid Staff & Supplies				
1 = Low	1 = Low	1 = Low	1 = Low	0 = N/A	0 = N/A	0 = N/A				
2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate							
3 = High	3 = High	3 = High	3 = High	1 = High	1 = High	1 = High				
				2 = Moderate	2 = Moderate	2 = Moderate				
+				3 = Low	3 = Low	3 = Low				

#### **Severity**

- Human Impact
- Property Impact
- Business Impact
- Preparedness
- Internal Response
- External Response

Completing The HVA

#### Risk

• Risk is an Automatic Calculation on spreadsheet

	SEVERITY = ( MAGNITUDE - MITGATION )								
PROBABILITY	HUMAN	PROPERTY	BUSINESS	PREPARED-	INTERNAL	EXTERNAL	RISK		
	IMPACT	IMPACT	IMPACT	NESS	RESPONSE	RESPONSE			
Likelihood this will	Possibility of Death	Physical Losses and	Interruption of	Preplanning	Time, Effectiveness,	Community / Mutual	* Relative threat		
occur	or Injury	Damages	Services		Resources	Aid Staff & Supplies			
0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A			
1 = Low	1 = Low	1 = Low	1 = Low	1 = High	1 = High	1 = High			
2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate			
3 = High	3 = High	3 = High	3 = High	3 = Low	3 = Low	3 = Low	0 - 100%		

- Risk = Probability x Severity
  - Probability = Divide the number under probability by 3
  - Severity = Add the numbers from each column and divide be 18

### **HVA Exercise**

Bay Area Faults

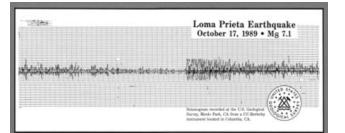


## **HVA Exercise**

### **Catastrophic Event: Earthquake**

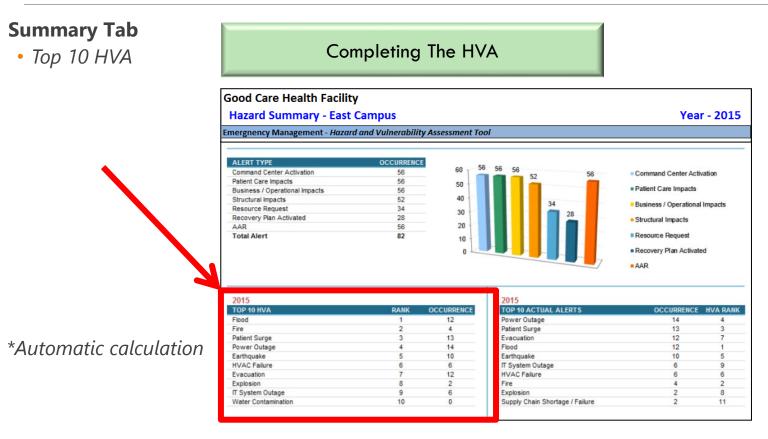








		Со	mpleting	The HVA	- Sample					
			SEVERITY = ( MAGNITUDE - MITGATION )							
EVENT		HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED- NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	RISK		
	Likelihood this will occur	Possibility of Dealth or Injury	Physical Losses and Damages	Interuption of Services	Preplanning	Time, Effectiveness, Resources	Community / Mutual Aid Staff & Supplies	* Relative threat		
<b>H</b> = Human Events	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A	0 = N/A			
<b>HM</b> = Hazardous Materials	1 = Low	1 = Low	1 = Low	1 = Low	1 = High	1 = High	1 = High			
<b>T</b> = Technological Events	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate	2 = Moderate			
N = Natural Occurrence	3 = High	3 = High	3 = High	3 = High	3 = Low	3 = Low	3 = Low	0 - 100%		
Earthquake	3	3	2	3	2	3	2	83%		



## I am done, now what?

- Share this report with your stakeholders, emergency preparedness healthcare coalition
  - ASPR Health Care Readiness Near You: <u>link</u>
- Share with upper echelon leaders, since the HVA drives the exercise cycle this will informally alert them to what the year will look like for preparedness efforts.
- Identify resources you might need to plan for top 5 hazards:
  - Earthquake
    - 96 hours of supplies for residents
  - Infectious disease
    - 30-day supply of appropriate personal protective equipment (PPE)
  - Extreme weather events
    - Generators
    - Alternate methods of communications to City/County Emergency Operations Center

## **Closing and Final Questions**

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## 3 Things to Do by Next Wednesday

- Confirm that the EPP committee includes the infection preventionist.
- Ensure your HVA addresses: pandemic flu, EIDs, potentially infectious bio-hazardous waste, and bioterrorism.
- Schedule completion of the HVA with the EPP committee.



### Questions?







## Thank you!

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