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

Jason Belden, Director of Emergency Preparedness and Physical Plant Services,
California Association of Health Facilities (CAHF)

Marina Zamarron, MPA, Healthcare/Hospital Preparedness Program and Coalition Coordinator,
Health Program Specialist III, County of Santa Clara, Public Health Department

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County of Santa Clara, Public Health Department

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: bit.ly/epp-series

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
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
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 future focus. After completing the checklist please submit your EID results using the button below so HSAG can offer your center specific assistance.

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 – MITIGATION) 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.

Long Term Care Requirements (hhs.gov)
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 - [https://myhazards.caloes.ca.gov/](https://myhazards.caloes.ca.gov/)

![MyHazards](image)

• Gather any real-world incident that impacted your daily operations from the previous year(s):
  • Cyber security incident
  • Fire
  • Power outage
  • Infectious disease outbreak
Santa Clara Valley Emergency Preparedness Healthcare Coalition

Kaiser HVA Tool

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<th>EVENT</th>
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Santa Clara Valley Emergency Preparedness Healthcare Coalition (cont.)

Kaiser HVA Tool

4 Tabs

- Facility Info
- Hazards
- Event Log
- Summary
### Facility Info

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Hazard Assessment - East Campus

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Santa Clara Valley Emergency Preparedness Healthcare Coalition (cont.)

Completing The HVA

Probability

Severity
- Human Impact
- Property Impact
- Business Impact
- Preparedness
- Internal Response
- External Response
Santa Clara Valley Emergency Preparedness Healthcare Coalition (cont.)

Completing The HVA

Probability

Severity
  • Human Impact
  • Property Impact
  • Business Impact
Completing The HVA

Probability

Severity
- Human Impact
- Property Impact
- Business Impact
- Preparedness
- Internal Response
- External Response
Santa Clara Valley Emergency Preparedness Healthcare Coalition (cont.)

Completing The HVA

Risk

- **Risk is an Automatic Calculation on spreadsheet**

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<td>Interruption of Services</td>
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- **Risk = Probability x Severity**
  - Probability = Divide the number under probability by 3
  - Severity = Add the numbers from each column and divide by 18
HVA Exercise

Bay Area Faults
HVA Exercise

Catastrophic Event: Earthquake
Completing The HVA - Sample

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SEVERITY = ( MAGNITUDE - MITIGATION )

Likelihood this will occur

Possibility of Death or Injury

Physical Losses and Damages

Interuption of Services

Preplanning

Time, Effectiveness, Resources

Community / Mutual Aid Staff & Supplies

*R Relative threat

H = Human Events
HM = Hazardous Materials
T = Technological Events
N = Natural Occurrence

0 = N/A 0 = N/A 0 = N/A 0 = N/A 0 = N/A 0 = N/A 0 = N/A 0 - 100%

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Santa Clara Valley Emergency Preparedness Healthcare Coalition (cont.)

Summary Tab
- Top 10 HVA

Completing The HVA

*Automatic calculation*
I am done, now what?

• Share this report with your stakeholders, emergency preparedness healthcare coalition
  • ASPR Health Care Readiness Near You: link

• 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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