



Sacramento County Public Health Jurisdictional Risk Assessment (JRA)

October 24, 2024

SACRAMENTO COUNTY



Promote • Prevent • Protect

Introductions

Let us know who you are

- Name
- Organization
- Intersection with preparedness



Agenda

Introductions

Goals and Objectives

hHAP tool

Qualtrics Survey

What's Next Step – Application

Sacramento County Public Health

MISSION

The mission of Sacramento County Public Health is to promote, protect, and assure conditions for optimal health and public safety for residents and communities of Sacramento County through leadership, collaboration, prevention and response.

VISION

Optimal health and well-being for Sacramento County communities!

VALUES

DEDICATION

We are dedicated to meet the public health needs of Sacramento County residents and communities.

QUALITY

We provide high quality and effective services based on best practices and the most current information and resources.

COMPETENCE

We hire staff with essential skills, education, experience, and certification to accomplish program goals.

RESPONSIVENESS

We listen to community needs, monitor community health, and develop responses to match needs.

ACCOUNTABILITY

We accept responsibility and accountability for providing efficient and quality service. We conduct ourselves with integrity in delivering services.

DIVERSITY

We respect and value diversity within the community and strive to deliver services that are respectful and relevant to the needs, values, and beliefs of the community. We seek to recruit and hire diverse staffs that enhance our level of understanding of various populations and to promote cultural competence.

EFFICIENCY

We look for the most efficient way to get the job done.

STRATEGIC PRIORITIES

1. Enhance Community Access, Engagement, and Partnerships
2. Strengthen Infrastructure
3. Champion Health Equity
4. Improve Health and Community Well-Being
5. Emphasize a Culture of Continuous Quality Improvement and Excellence



Public Health Emergency Preparedness

PHEP Team

- 6 program staff
- Epidemiologists

Grant Funded

- PHEP, CRI, HPP, PanFlu

Capabilities



CENTERS FOR DISEASE™
CONTROL AND PREVENTION

ASPR

ASSISTANT SECRETARY FOR
PREPAREDNESS AND RESPONSE

PHEP Capabilities

Biosurveillance

- PH Lab Testing
- PH Surveillance & Epi Investigation

Community Resilience

- Preparedness/Recovery

Countermeasures & Mitigation

- Medical Countermeasure Dispensing
- Medical Materiel Mgmt & Distro
- Non-Pharma Interventions
- Responder Safety & Health

Incident Management

- Emergency Ops Coordination

Information Management

- Emergency Public Info & Warning
- Information Sharing

Surge Management

- Fatality Management
- Mass Care
- Medical Surge
- Volunteer Mgmt.

Operational Readiness

Train & Exercise/Evaluate/Improve

Engagement & Partnership

Resources

Organizational Plans & Policies

Staff/Personal/Family Preparedness

Jurisdictional Risk Assessment

What is it?

A tool to

- Identify and prioritize potential hazards and vulnerabilities
- Inform decision-making and allocate finite resources
- Organize planning, training, exercises
- Engage whole community

2019 JRA



Objectives



Identify and prioritize health-related risks specific to Sacramento County



Enhance preparedness by informing targeted response plans and resource allocation



Guide the development of interventions tailored to local health threats.



**Promote equity by addressing the needs of vulnerable populations in high-risk areas.



Ensure compliance with public health regulations and legal requirements.



**Support long-term public health goals through proactive risk management and trend analysis.



Safeguard community health and well-being

Health Hazard Assessment and Prioritization

hHAP Tool



Health Hazard Assessment and Prioritization (hHAP) was developed by the Los Angeles County Department of Public Health and partners to support "**Whole Community Planning**".

Why the hHAP tool?

- Hazard probability
- Health severity
- Hazard impact on (public health system, health care system, response agencies and community agencies)
- Identify all the hazards that may impact the communities in Sacramento County
- Categories Hazards and provide scenario and impact of each hazard



Type of Hazard



Biological Hazard

- Aerosolized anthrax
- Communicable disease outbreak
- Food supply contamination



Natural hazard

- Active shooter**
- Dam failure
- Drought



Chemical and Radiological Hazard

- Blister Agents
- Factory chemical spill
- Industrial plant explosion



Technological Hazard

- Cyber attack
- Electrical failure
- Improvised explosive device



Hazard with Scenario document

BIOLOGICAL	
Hazard	Scenario
Aerosolized Anthrax	<p><u>Description:</u> <i>Bacillus anthracis</i> is released, undetected, with modest efficiency in the city of Sacramento with a significant commuter workforce. Approximately 100,000 individuals are exposed from release and seasonal winds.⁵⁴ Incubation period: 1-7 days (up to 48 days), most cases within 48 hours.⁵⁵ Rapid distribution of medical countermeasures is required for treatment and mass prophylaxis.</p> <p><u>Impact:</u> Within 48 hours, 20,000 cases, 17,000 hospitalizations⁵⁶ 1,000 deaths (nearly 100% case-fatality for untreated⁵⁷). Potential for long-term environmental contamination.</p>
Agroterrorism	<p><u>Description:</u> A terrorist group has successfully infiltrated a high volume meat processing facility with direct distribution to local markets and fast food restaurants. <i>E. coli</i> 0157 is introduced into batches of ground beef. Within days, local hospitals begin seeing young children and older adults with severe illness. Over next 3 weeks, new cases continue to present throughout the area.⁵⁸</p> <p><u>Impact:</u> Within 10 days, 600 cases, 100 hospitalizations (25 hemolytic uremic syndrome cases requiring ICU), and 3 deaths.⁵⁹</p>
Botulism	<p><u>Description:</u> Thousands of people attend a festival. Within 12 hours of the event, many attendees go to local hospitals with blurred vision, difficulty swallowing, and descending paralysis. An ED doctor suspects <i>Clostridium botulinum</i> intoxication and notifies the health department. Symptomatic individuals continue to seek medical care over the next several days.⁶⁰ The nature of the event suggests a possible terrorist attack. The health department and FBI investigate through interviews and testing of event caterers.</p> <p><u>Impact:</u> Within 24 hours, 50 cases, 45 hospitalizations (10 intensive care), and 5 deaths⁶¹. Until the source is identified, there is potential for additional hospitalizations and deaths.⁶²</p>

Qualtrics Survey Demo

Helpful documents

- Scoring Guideline (Scoring will be different based on the Agency)
 - Available in pdf
 - Can be viewed on Qualtrics directly
bring curser over the word
- Hazard with scenario

Survey Link:

https://saccountyct.pdx1.qualtrics.com/survey-builder/SV_40YPeIbJDdBIfvo/edit

Risk Component #1: Hazard Probability	
Estimating the probability of a specific hazard occurring is informed by historical experience and data but is inherently a complex and subjective process. (March, <i>et al</i> , 2003). To estimate each hazard's Probability, consider the following issues while consulting the Criteria below: <ul style="list-style-type: none">• Known risk for hazard occurrence• Historical data for hazard occurrence; e.g. San Andreas fault line rupture occurs approximately once every 150 years• Research and/or modeling data specific to each hazard	
Score	Definition
Improbable (0)	The probability of the occurrence of the hazard within the next 25 years is zero
Remote (1)	The hazard is not likely to occur within the next 25 years, but it is possible.
Occasional (2)	The hazard is likely to occur at least once within the next 25 years.
Probable (3)	The hazard is likely to occur several times within the next 25 years.
Frequent (4)	The hazard is likely to occur cyclically or annually within the next 25 years.

Scoring Instructions

Risk Component #5: Hazard Impact on EMS / Healthcare System	
<p>Potential negative impact of the hazard on the health care delivery system (e.g. EMS, hospitals, clinics, long-term care facilities). Consider the effect of the hazard on causing the following impacts:</p> <ul style="list-style-type: none"> • Staff physical or behavioral/mental health illness, injury or death, thus preventing employees from reporting to work • Effect on business interruption • Reliance on continuity of operations planning • Interruption of critical supplies and resources • Healthcare facilities damaged or temporarily relocated and/or unusable 	
Score	Definition
Not Applicable (0)	There is no anticipated effect or impact associated with this hazard
Negligible (1)	The hazard presents a minimal threat to disrupt and/or prevent the day-to-day business operations of the healthcare delivery system
Marginal (2)	The hazard presents a minor threat to disrupt and/or prevent the day-to-day business operations of the healthcare delivery system
Critical (3)	The hazard presents a significant threat to disrupt and/or prevent the day-to-day business operations of the healthcare delivery system
Catastrophic (4)	The hazard presents a serious threat to disrupt and/or prevent the day-to-day business operations of the healthcare delivery system

Risk Component #4: Hazard Impact on the Public Health Department	
<p>The potential impact(s) from each hazard may or may not be unique and/or specific to each of the three key sectors. A separate impact assessment for each sector should be conducted, including sector specific subject matter experts, if possible. The following criteria scales are provided as a template for each assessment to utilize; potential issues to consider include, but are not limited to:</p> <ul style="list-style-type: none"> • Potential for staff illness, injury or death • Business interruption; Reliance on Continuity of Operational Planning (COOP) • Employees unable to report to work • Interruption of critical supplies and resources • Facilities damaged and unusable • Facilities damaged and/or temporarily relocated 	
Score	Definition
None (0)	<ul style="list-style-type: none"> • No potential to disrupt normal day-to-day public health operations. • No projected impact on public health personnel, resources, and/or facilities. • No need to activate the Continuity of Operations Plan (COOP).
Negligible (1)	<ul style="list-style-type: none"> • Negligible potential to disrupt normal day-to-day public health operations. • Negligible projected impact on public health personnel, resources, and/or facilities (few, if any, adjustments need to be made to staff schedules or work locations). • There is no need to activate the COOP.
Limited (2)	<ul style="list-style-type: none"> • Limited potential to disrupt normal day-to-day

Applications & Next Steps

Application: Whole-Community Preparedness

Strengthen community partnerships to support public health preparedness

- Assess agency and weaknesses
- What is important to you?
- PHEP Partnership meetings
- Improve community understanding and resilience
 - Develop training and guidance



Application: Inclusive Planning

Identification of vulnerable populations and their needs

- Understand the populations our partners work with
- Involve subject matter experts to identify needs
- Health Equity Team and Framework Development
- GIS maps and dashboards
- Improve communication and accessibility



Prioritization of Planning

Prioritization of preparedness efforts

- From vulnerability to mitigation
- Integrated preparedness plan
- Plan review cycle



Next Steps

Results

- Scoring and data analysis
- Comprehensive report
- Dissemination of report



PHEP Partnership Meetings



- February (TBD)
 - Discussion of JRA Results
- Building relationships
- Inclusive preparedness
 - Health Equity
 - Vulnerable populations
- Shared understanding
- Meaningful to you

Office Hours

1st Office Hours

Date: October 31st, 2024

Time: 1:00 pm- 2:00 pm

Zoom Meeting link:

https://www.zoomgov.com/meeting/register/vJltdeuqqDguHJdMwD6dmMBf_WbUEezAgVE

Zoom Meeting ID: 160 222 6346

Passcode: 569304

2nd Office Hours

Date: November 6th, 2024

Time: 11:00 am- 12:00 pm

Zoom Meeting link:

<https://www.zoomgov.com/j/1609811729?pwd=aSruZw5mGfRDvblgbgxuAGnDoaiiVr.1>

Zoom Meeting ID: 160 981 1729

Passcode: 324694

Questions

Contact us

If you have any questions, please feel free to reach out to us at

dhs-pubh-phep@saccounty.gov

SACRAMENTO COUNTY



**PUBLIC
HEALTH**

Promote • Prevent • Protect

Thank You!