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ESF 8 – Public Health and Medical Services

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ESF 8 – Public Health and Medical Services

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ESF 8 Tasked Agencies	
Primary Agencies	Klamath County Public Health
Supporting Agencies	Klamath County Emergency Management Board of County Commissioners (BOCC) County Counsel Oregon Health Agency (OHA)
Adjunct Agencies	Sky Lakes Medical Center Oregon State Public Health Division (OSPHD) Centers for Disease Control and Prevention (CDC) Federal Emergency Management Agency (FEMA) Oregon State Police (OSP) Federal Bureau of Investigation (FBI) Department of Agriculture Department of Environmental Quality Department of Transportation Private medical providers/Ambulance providers American Red Cross (ARC) Local Fire Districts Local Funeral Homes

1 Purpose and Scope

The purpose of the Public Health and Medical Services Emergency Support Function (ESF) 8 is to provide coordinated public health, mental health and medical services during emergency situations to minimize death and injury, and assist in the damage assessment and restoration of essential health services within the disaster area. This annex ensures that the following services are provided to disaster victims and emergency response workers to supplement disrupted or overburdened local medical personnel and facilities:

- Public health and sanitation;
- Emergency medical, dental, and hospital services;
- Crisis counseling and mental health services;
- Animal and vector control; and
- Mortuary services.

ESF 8 also refers to services, equipment, and personnel needed to protect the health of the public from communicable disease, contamination, and epidemics, including health and symptomatic monitoring, food and water inspections, immunization and mass prophylaxis delivery, laboratory testing, and animal health/disease management (as it pertains to potential or actual impacts on public health). Other essential tasks included within this support function involve providing professional personnel, services, and facilities to relieve victims and

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their families, first responders, and/or special needs populations of trauma and mental health conditions caused or aggravated by an emergency/disaster or its aftermath. Depending on the nature and severity of the incident, services and resources may be in demand for prolonged periods of time.

Note: Refer to ESF 11 for information regarding incidents/disasters potentially or actually impacting the health of livestock, wildlife, and other animals without concern for impacts to human health.

1.1 Authority

Oregon Revised Statutes 431.110; 431.150; 431.530

1.2 Disclaimer

No emergency plan can replace informed good judgment. This annex and its associated procedures provide a general approach for Klamath County Public Health's (KCPH) emergency preparedness program. ESF 8 is intended to serve as a guideline to facilitate a timely and effective response to emergencies of any nature. It is not intended to direct day-to-day emergency response decisions or to constrain persons responsible for management of major emergencies from taking other or additional steps if circumstances warrant.

2 Policies and Agreements

- None at this time.

3 Situation and Assumptions**3.1 Situation**

- Residents of Klamath County are vulnerable to a variety of disasters that could result in need for emergency health or medical support.
- The Klamath County Health Department Director and/or the Klamath County Public Health Officer serve as the Health Authority for Klamath County by enforcing laws and managing programs that protect the people of Klamath County.
- A communicable disease outbreak or epidemic could occur in Klamath County.
- The following could be indicators of a terrorism-related disease outbreak:
 - A threat has been identified;
 - A single case of a highly unusual disease (e.g. smallpox or anthrax) has occurred;

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- Large numbers of people are ill with similar symptoms, which might be unusual because of age, time of year, or geographic location (e.g., influenza symptoms in July);
- Unusually high numbers of illnesses or deaths have occurred;
- An unusual pattern of illness or death among animals is discerned; and/or
- Active or suspected bioterrorism is occurring elsewhere.

3.2 Assumptions

- There is adequate local ability to manage health-related functions during a disaster on a sustained basis. Support will be needed from the Oregon State Public Health Division (OSPHD) and from Federal agencies.
- The public will require guidance on avoiding health hazards created by and emergency or disaster, both during the event and throughout the recovery and rehabilitation phases.
- Widespread disease outbreaks caused by infectious agents, whether of natural origin such as pandemic influenza or as a result of acts of terrorism, will be well beyond the capacity of Klamath County Public Health. In addition to assistance from OSPHD, Federal assistance will be requested when abilities to respond to an event are exceeded. Examples of such agencies are listed below.
 - The Centers for Disease Control and Prevention (CDC), which is the lead Federal agency for disease prevention, control, and injury and disability in the United States. The CDC maintains the Strategic National Stockpile (SNS), which is the national repository of antibiotics, chemical antidotes, vaccines, life support medications and other medical/surgical supplies that could be used in a disaster or health emergency. OSPHD and Oregon Emergency Management (OEM) are state agencies that may initiate access to the SNS.
 - The Federal Emergency Management Agency (FEMA) is the lead agency that coordinates Federal response effort in a disaster situation.
 - The Oregon State Police (OSP), the Federal Bureau of Investigation (FBI), and local law enforcement may all be involved in an emergency response if a security crisis exists, public safety is threatened, or a criminal investigation is conducted, as would occur due to an act of terrorism. In a public health emergency, law enforcement and public health will work together in a cooperative manner, consistent with the

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principles of the National Incident Management System (NIMS), which includes the Incident Command System (ICS).

- The Oregon Department of Agriculture may assist with animal disease surveillance and veterinary epidemiological support. See ESF 11, Agriculture and Natural Resources.
 - The Oregon Department of Environmental Quality may assist with field investigations, decontamination, water quality, pollution, and solid waste disposal controls when local resources are inadequate.
 - The Oregon Department of Transportation may assist with logistics and transportation needs.
 - The United States military may assist with logistics, security, and transportation needs.
 - Volunteer disaster relief organizations may provide resources and personnel within the boundaries of their mandates.
- Delivery of primary medical care is not administered or managed by the OSPHD or Klamath County Public Health District. Private medical providers will meet these needs on a daily basis.
 - Disease surveillance will provide information essential to an effective response. KPHD will conduct disease surveillance and reporting as outlined in the OSPHD Acute and Communicable Disease Program's (ACDP) *Investigative Guidelines for Notifiable Diseases* <http://oregon.gov/DHS/ph/acd/reporting/guideln/guideln.shtml>. For any diseases not specifically outlined by the Investigative Guidelines, KCPH will consult with ACDP.
 - The American Red Cross (ARC) will be the primary coordinator and provider of shelter and mass care during emergencies in Klamath County.
 - Mutual Aid service agreements will be activated for mobilization of out-of-area medical and mortuary services when the County's resources have been overwhelmed.
 - Klamath County Fire Districts, Emergency Medical Services and ambulance providers will provide immediate on-scene care and treatment of life-threatening conditions, and the local Hazardous Materials (HazMat) team (#4) will be deployed to the scene of a known or suspected chemical or biological agent release.
 - Because of expected resource shortages in any disaster, it may be necessary to mobilize all available physicians, mid-level practitioners, nurses, emergency medical technicians and paramedics, dentists, pharmacists, veterinarians, medical examiners, and morticians.

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- Sky Lakes Medical Center may need to expand, by utilization of auxiliary sites, to accommodate for a large influx of casualties and/or arrange transfer to out-of-county facilities during a disaster.
- It may be necessary to develop temporary morgues, with the assistance of local morticians, in the event of disaster-related mass mortality.
- It may be necessary to treat and vaccinate, isolate, or quarantine persons who have been exposed to or are infected with diseases of epidemic or pandemic proportion or those caused by acts of bioterrorism.

4 Roles and Responsibilities**4.1 Organization**

- In the event of a public health emergency, KCPH would be the lead County department responsible for directing and coordinating emergency programs related to medical operations. The Director of Public Health will make recommendations to the Board of County Commissioners (BOCC) concerning the need to implement NIMS (ICS). As appropriate and as determined by the Incident Commander (IC), the Emergency Operations Center (EOC) would be opened when an outbreak is first suspected to support requests for outside medical aid.
- Upon receipt of official notification of an actual or potential emergency situation, KCPH, in collaboration with the local health care community and Klamath County Emergency Management, will receive, evaluate, and prioritize all requests for emergency assistance from medical service providers, allocate available resources, procure additional resources, and disseminate such notification and information to all public health, medical, and mortuary service providers as appropriate and necessary.
- Should an ICS be established, resources will be committed to the ICS as necessary.
- The KCPH Director (or designee) will represent health and medical services in the EOC and may coordinate response activities from the EOC. The KCPH EOC is located at 3314 Vandenberg Road Klamath Falls OR 97603.

4.2 Emergency Functions

As part of this document, KCPH has the responsibility to perform the functions outlined below, in response to emergency situations.

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- Participate with the Klamath County Emergency Management Director (County Emergency Manager), Sky Lakes Medical Center, and community health services providers in preparing and maintaining public health and medical emergency plans.
- Perform the statutory responsibilities of the County Health Authority as they apply to emergency incidents or disasters, including:
 - Requesting that the Board of County Commissioners issue an order to implement and provide for enforcement of isolation and quarantine procedures as needed;
 - Providing guidance on avoiding health hazards created by an emergency or disaster, both during the event and throughout the recovery and rehabilitation phases; and
 - Ensuring that KCPH conducts disease surveillance and reporting as outlined in the OSPHD ACDP Investigative Guidelines for Notifiable Diseases;
- Ensure the provision of essential medical care and treatment for persons whose illnesses or injuries are the result of a disaster or where care and treatment are complicated by a disaster.
- Coordinate disease control operations, including:
 - Coordinating treatment and vaccination, isolation, or quarantine of persons who have been exposed to or are infected with diseases of epidemic or pandemic proportion, or those caused by acts of bioterrorism, including coordinating mass vaccination and/or chemoprophylaxis; and
 - Coordinating delivery and set up of the SNS, and Points of Dispensing.
- Coordinate health hazard operations.
- Provide morbidity/mortality statistical services.
- Advise the Emergency Manager regarding emergency health and sanitation standards.
- Receive damage assessment reports for public health and medical facilities and systems as a means of assessing health and medical response capabilities.
- Utilize NIMS in dealing with disaster situation. Through the ICS and/or EOC, coordinate the control of communicable disease and non-communicable illness associated with major emergencies, disasters, and/or outbreaks caused by acts of terrorism, epidemic or pandemic disease, infection agents, chemical, radiological agents, or biological toxins for Klamath County.

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- At the EOC, coordinate county support operations with hospitals, health facilities, and other health service providers.
- Assist the Medical Examiner in providing an emergency/temporary morgue and coordinate with the Medical Examiner and Funeral Directors to provide identification and disposition of the dead. The Klamath County Medical Examiner (or designee) shall be responsible for coordinating mortuary services and making necessary arrangements for mortuary expansion through the Oregon Funeral Director's Association. If casualties exceed local capacity, Klamath County Emergency Management will initiate contact with Oregon emergency services to request State Disaster Mortuary Operational Response Team (DMORT) services and assistance.
- Participate with Klamath County Emergency Management, the American Red Cross, and community health service providers in implementing a human service plan that includes provisions for the following:
 - Special medical needs and care requirements for sheltered groups and special needs populations; and
 - Collaboration to provide emergency counseling for disaster victims and emergency response personnel suffering from mental and emotional disturbances.
- Mobilize all available physicians, mid-level practitioners, nurses, emergency medical technicians and paramedics, dentists, pharmacists, veterinarians, medical examiners and morticians as needed.
- Advise the IC and/or EOC or County Commissioners on activating Mutual Aid service agreements and requesting State and Federal assistance for mobilization of out-of-area medical and mortuary services when the County's resources have been overwhelmed or will be.
- KCPH personnel will remain under the direction and supervision of the Director (or designee) unless detached to an Incident IC.

4.3 Positional Roles and Responsibilities**4.3.1 Klamath County Health Department Director**

- Coordinate public health and welfare services required to cope with the control of communicable diseases and non-communicable illness associated with major emergencies, disasters and/or widespread outbreaks caused by bioterrorism, epidemic or pandemic diseases, or novel and highly fatal infectious agents or biological or chemical toxin incidents in urban or rural areas in Klamath County.

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- Establish public health staffing priorities or assignments to serve as a basis for emergency public health services delivery.
- Act as a liaison between the EOC and health services agencies.
- May act as or designate an IC in a bioterrorism/communicable disease public health disaster.
- In conjunction with the designated Public Information Officer (PIO), coordinate public health–related information releases and conferences with the EOC and other health providers.
- May determine the need for and invoke public health authority measures such as isolation and quarantine.
- Coordinate environmental health issues and services required to cope with disasters in urban or rural areas in Klamath County. General responsibilities include:
 - Identify health hazards, including those from damage to water and sewer systems, and disseminate emergency information regarding sanitary measures to be taken;
 - Coordinate with the appropriate agencies to provide food and potable water to victims whose normal supply channels are closed;
 - Designate a coordinator/liasion to participate in all phases of the County emergency management program, when necessary or as requested; and
 - Inspect occupied emergency shelters and feeding areas.

4.3.2 County Health Officer

- Assist the Director with technical medical advice and assist the communicable disease, environmental health, and health promotion sections in preparation of public information announcements.
- Establish liaison and ongoing communication with key medical care providers.
- Provide public preventive measures to control and limit the spread of communicable disease.
- Assess and communicate immediate estimate of damage to human life and hazards that may offer serious threat to public health in the jurisdiction.
- Issue health instructions to the general public.
- May determine and make recommendations for health authority.

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- Implement measures such as isolation and quarantine.
- May assist in determination of priorities and parameters regarding vaccine and medication use and delivery.
- Work within and support NIMS (ICS).

4.3.3 Health Department Personnel

- An EOC and/or Joint Information Center (JIC) may disseminate public health-related information in coordination with the IC, KCPH Director and the PIO.
- Assist in collection of clinical specimens and transport to the State public health laboratory.
- Activate vaccination/prophylaxis clinics where needed.
- Provide communication and education to individuals and the public on safety/prevention regarding communicable disease.
- Continue communicable disease surveillance.
- Function within the ICS structure.

4.3.4 Hospital (Sky Lakes Medical Center)

- Develop and maintain a Hospital Emergency Operations Plan (HEOP) and appropriate Standard Operating Procedures (SOPs).
- Activate and follow HEOP.
- As capabilities allow, provide triage and other assistance within the community to meet emergency medical needs.
- Coordinate with the IC, EOC and the Health Department to meet the demands of medical service in the case of a major emergency.

4.3.5 Medical Examiner

- Coordinate with the IC and the EOC in the case of a mass casualty event.
- Manage fatalities by recovering the dead, determining identity, and determining the cause of death.
- Identify and preserve personal property of the deceased.
- Activate and staff a temporary morgue, as needed.

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5 Concept of Operations

5.1 General

- Government is responsible for protecting life and property from the harmful effects of hazardous events. Local government has primary responsibility for emergency management activities. Emergency functions for public health, medical, and mortuary services will generally parallel routine day-to-day functions. Routine functions that do not contribute directly or are not deemed essential may be suspended for the duration of the emergency, with the resources for those functions being redirected to accomplish emergency tasks.
- A local state of emergency may be declared by the Klamath County Board of County Commissioners. The declaration will activate the recovery and rehabilitation aspects of the Klamath County EOP and can authorize aid and assistance. When the emergency exceeds local government's ability to adequately respond, assistance will be requested from neighboring jurisdictions in accordance with existing mutual aid agreements. In situations where local and State resources have been exhausted, requests for Federal assistance must go through the State.

5.2 Damage Assessment

- Damage assessment is “the process used to appraise or determine the number of injuries or deaths, damage to public and private property, and the status of key facilities and services such as hospitals and other health care facilities, fire and police stations, communications networks, water and sanitation systems, utilities, and transportation networks resulting from man-made or natural disaster” (FEMA).
- KCPH has the primary responsibility for conducting the investigational activities regarding disease morbidity and mortality in a natural or man-made disaster or event. Since accurate information about disease and casualties is essential to determine required levels of support, such information must be forwarded to the Health Authority in the Incident Command Post or EOC as soon as it is available. KCPH will receive requests for assistance and delegate elements of the request to local health and medical providers who have not sustained damage or potential for damage, and therefore, can best respond.
 - **Medical Facilities:** Community medical service providers have the primary responsibility for evaluating the damage sustained by their facilities in a disaster. Each facility Director (or designee) will assess initial damage and report the facility's operational status; identify clients who must be removed until

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the facility is repaired; and channel requests for assistance to the Health Authority in the EOC.

- **Injuries and Fatalities:** Community medical service providers have the primary responsibility for reporting injuries, fatalities, and disease to the Health Authority in the EOC.
- **Water Treatment Facilities:** In cooperation with Public Works and water system operators, OSPHD and KCPH have responsibility for evaluating damage to water treatment facilities following disasters. Because of system vulnerability to numerous contaminants and because of the impact that a prolonged closure of such facilities could have on public health and welfare, it is essential that rapid, accurate damage, and needs assessment be conducted.

5.3 Phases of Emergency Response Management

This plan follows an all-hazards approach and acknowledges that most responsibilities and functions performed during an emergency are not hazard-specific. This plan accounts for activities before, during, and after emergency operations, as outlined below.

5.3.1 Mitigation (Normal Phase)

The mitigation phase includes activities, such as those outlined below, that may eliminate or reduce the probability of disaster.

- The KCPH Director and/or other designated KCPH personnel shall participate in all County emergency management response planning.
- The KCPH Director shall develop departmental lines of succession of authority and, along with senior management, assign employees to support emergency operations, as appropriate.
- KCPH emergency preparedness personnel shall participate in State-developed, or approved, public health emergency exercises with local emergency management and public safety agencies, utilizing tools provided by the State for orientation, tabletop, functional, and full-scale levels.
- The KCPH office manager shall maintain a current list and call-down procedure for essential employees in the event of an emergency, and the finance manager shall develop a system for documenting expenditures during an emergency.
- Local medical providers will submit reports of the presence of reportable contagious infections or disease clusters to KCPH, as required by state public health laws.

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- KCPH will routinely provide information to health care providers and the public regarding health issues, which may enable people to identify serious emergent health or medical situations.

5.3.2 Preparedness (Planning Phase)

Preparedness activities, such as those outlined below, may save lives and minimize damage.

- The KCPH Director (or designee) shall activate senior management and recall essential personnel, based on the severity of the incident at hand.
- The KCPH Public Health Preparedness Team shall assess available information and coordinate with other members of County emergency management.
- The KCPH Public Health (PH) Preparedness Team shall contact other local health and medical providers to inform them of the current emergency status and assist them in monitoring inventory of essential medical supplies needed to respond to the emergency.
- In coordination with Klamath County Emergency Management, the KCPH Director (or designee) shall communicate with key County officials, as appropriate.
- The KCPH Director shall coordinate with the EOC and the designated PIO to release health-related emergency instructions for the public.
- The KCPH PH Preparedness Team shall review EOPs and SOPs.
- The KCPH PH Preparedness Team shall assess probable resource requirements and availability and review the acquisition process and agreements for such resources.
- In collaboration with Klamath County Emergency Management, KCPH shall coordinate with the American Red Cross on disaster relief.
- KCPH, with the assistance of DHS and OSPHD shall prepare and maintain emergency public health preventive guidelines and regulations to control and restrict communicable disease, such as isolation and quarantine measures.
- KCPH shall assist Emergency Management in coordinating volunteer organizations to optimize those services and resources.

5.3.3 Response (Emergency Phase)

The following activities are designed to prevent the loss of lives and property and provide emergency assistance. This phase may consist of three periods requiring varying types and levels of emergency response, during which the

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imminent occurrence of a disaster becomes known. KCPH's response plan may be initiated during any of the following three time periods.

- **Warning Period:** The period during which evaluation of all available information indicates that the impact of a disaster or emergency is imminent. This period may be formally initiated over a period of time in slower developing emergencies (e.g. floods) or may not exist when the impact of the emergency occurs suddenly and without notice. The KCPH Director (or designee) may (The normal organization response is to implement ICS by issuing a Delegation of Authority to appoint an Incident Commander who will accomplish these tasks.):
 - In collaboration with Klamath County Emergency Management, evaluate the most probable consequences and resource requirements;
 - Review SOPs, appendices, and communications procedures with Klamath County Emergency Management;
 - Coordinate with Klamath County Emergency Management and the designated PIO for dissemination of instruction or information to the public regarding safeguarding the drinking water supply, communicable disease, disposal of food, immunizations, access to medical care, etc.
 - Recall essential KCPH emergency response personnel.
 - Make recommendations to the BOCC regarding the advisability of making a Disaster Declaration and/or establishing an Area Operations Center (AOC). An AOC might be established within Klamath County Public Health, another County department, directly under the BOCC, or outside county government.
- **Impact Period:** The period during which a disaster or emergency is occurring. Impact may occur suddenly and be of limited duration or may follow a period of predictable buildup and last for an extended period. The KCPH Director (or designee) may, using the Incident Command System:
 - In consultation with Klamath County Emergency Management and/or the IC, take immediate protection measures for KCPH emergency response personnel and resources;
 - If emergency conditions allow, and the situation warrants, initiate KCPH emergency response procedures according to department SOPs; and
 - Should an IC and/or EOC be established, commit resources as necessary.

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- **Response Period:** That period immediately following the impact of the disaster or emergency during which all resources are committed to the protection of life and property. The KCPH Director (or designee) may, using the Incident Command System:
 - Communicate with Klamath County Emergency Management to determine scope of response priorities;
 - Maintain contact with Klamath County Emergency Management and/or the IC for situation analysis and coordination of public information;
 - Analyze resource needs;
 - Maintain accurate records of costs associated with the emergency response including expenditures for personnel, supplies and equipment; and
 - Should an IC and/or EOC be established, commit resources as necessary.

5.3.4 Recovery (Return to Normalcy Phase)

Short- and long-term activities that return all systems to normal or improved standards. The KCPH Director (or designee) may, using the Incident Command System:

- In collaboration with local healthcare providers and Klamath County Emergency Management, evaluate and report the extent of health hazards, injury, illness, loss of life, and the condition of health service personnel.
- Release personnel no longer needed.
- Report and notify the appropriate agency/personnel of hazards that would endanger the public.
- Report and document emergency-related expenditures.
- Initiate and/or participate in post-event evaluations of response activities and adjust plans and procedures as necessary and appropriate.
- Participate in investigative or enforcement actions as needed.
- Assist identified parties in clean-up or follow-up with technical advice or field service and sampling activities, as needed and appropriate.
- Resume normal operations as soon as possible.
- Provide additional, identified training of staff as needed.
- Should an EOC be established, commit resources as necessary.

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For the purposes of this document, only diseases that affect humans are considered. See ESF 11 – Agriculture and Natural Resources for more information and procedures for controlling and eradication of disease or infestation potentially impacting animal health.

A bioterrorism event may evolve through the following phases:

- An unusual disease or condition is detected in one or more people by a healthcare provider in an office setting, clinic, or emergency department; a medical laboratory; at the Oregon State Public Health Laboratory (OSPHL); or may be announced by a terrorist group or perpetrator, or by a federal agency or another state.
- A healthcare provider, medical facility, or laboratory reports the unusual disease or condition to the Klamath County Public Health and possibly the OSPHD.
 - After recognition that a disease epidemic/terrorist event is underway or has occurred, OSPHD and the Klamath County Public Health alert the proper intra-and inter-agency personnel. These include, but are not limited to: Klamath County Public Health on-call personnel including the Public Health Officer, KCEM, the Sky Lakes Hospital, Fire District(s) and Emergency Medical Services, ambulance providers, the American Red Cross, pharmacies, and the local Medical Examiner. KCEM will assist with the coordination of notifying appropriate agencies and authorities. The level and depth of notification will depend on the severity of the incident at hand.
 - OSPHD and Klamath County Public Health will coordinate with the local FBI and the Centers for Disease Control personnel if it is a suspected terrorist event.
- Large numbers of patients and the “worried well” seek medical care, overwhelming medical facilities, exceeding local health providers’ capabilities, and straining law enforcement. Law enforcement agencies collect criminal evidence at the same time medical diagnosis and treatment is occurring.
- Depending on the biological agent used, there may be one wave of patients or there may be a series of successive generations of disease as transmission occurrences among others exposed to the initial patient(s).
- Once appropriate medical measures are implemented, cases will decrease and recovery operations will begin.

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- Recovery will include the need for critical incident stress debriefing teams for responders as well as the general public.

With warning of a potential bioterrorism event:

- KCPH and OSPHD will continue to provide 24/7 availability for reporting and investigation of reportable communicable diseases, outbreaks, or any other uncommon illness of potential public health significance.
- The KCPH Management and Coordination Team will review bioterrorism response plans and strategic operating plans.
- In coordination with KCEM and local healthcare providers, evaluation of adequacy of existing local infrastructure to respond to a biological attack (e.g., healthcare system capacity, local pharmacy inventory, ambulance capacity, etc).
- Review of policies and procedures to identify and remove any barriers to disease surveillance and reporting, as well as collaboration with local healthcare providers and facilities to assess and improve healthcare surveillance and response capabilities.
- The KCPH Director (or designee) or the Public Health Officer will notify the OSPHD, KCEM, local law enforcement, the local hospital, and local private, public, and volunteer agencies of an occurrence of an unusual disease, which may indicate a bioterrorism attack.
- In coordination with OSPHD and KCEM, KCPH will update local and regional hospitals, EMS, law enforcement, and local private and public agencies as additional information is obtained.
- In coordination with OSPHD, KCPH will institute its plan for distribution and administration of vaccines, pharmaceuticals, and medical equipment from the SNS, as appropriate.
- In coordination with local and regional hospitals and healthcare providers, KCPH will conduct a jurisdiction-wide inventory of emergency department capacity, number of hospital beds, number of intensive care beds, quantity of ventilators, and number of healthcare providers available to support patient care.
- KCPH will request that healthcare providers review their plans for expansion of the healthcare system.
- KCPH will review procedures for collection of clinical specimens and transport to the Oregon State Public Health Laboratory and coordinate submission of samples to the Oregon State Public Health Laboratory for appropriate testing.

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- KCPH will establish a means of rapid, two-way communication between the Klamath County Public Health (Director, the Health Officer, and the communicable disease/environmental health program coordinators); hospitals (infection control practitioners, microbiology and emergency departments); EMS, healthcare providers, KCEM, local law enforcement, and OSPHD. This would likely involve volunteer amateur radio operators (Radio Amateur Civil Emergency Services, [RACES]), who assist with communication during times when there is an extraordinary threat to the safety of life and/or property.

If a potential bioterrorism event is detected:

- KCPH and OSPHD will provide 24/7 on-call contact availability for reporting and investigation of communicable disease outbreaks or any other uncommon illness of potential public health significance.
- KCPH will notify OSPHD, local law enforcement, KCEM, the local hospital, and local private, public, and volunteer agencies of an occurrence of an unusual disease, which may indicate a bioterrorism event.
- Local law enforcement and the FBI are the lead agencies for coordinating and responding to a bioterrorist event or a credible threat to public safety.
- KCPH will activate bioterrorism response plans.
- In coordination with OSPHD and KCEM, KCPH will update hospitals, EMS, local law enforcement, and local private and public agencies as additional information is obtained.
- KCPH will review plans for acquiring and distributing vaccine, pharmaceuticals, and medical equipment, and expansion of the local healthcare system.
- KCPH will provide OSPHD with a list of mass dispensing sites.
- KCPH will review procedures for collection and transport of clinical specimens OSPHL and will coordinate submission of samples for appropriate testing.
- KCPH will contact appropriate public, private and volunteer agencies to review their plans for expansion of the healthcare system, as well as support services for mass dispensing and medical treatment.
- Should an IC and or EOC be established, commit resources as necessary.

During an outbreak of disease caused by bioterrorism:

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- KCPH will notify the Klamath County Emergency Management, law enforcement, and OSPHD.
- KCPH will report disease-related response information regularly to OSPHD, including:
 - Delivery sites(s) for SNS resources; and
 - Status updates of healthcare operations and facilities in Klamath County, including number of ill, number of deceased, number receiving treatment, number of patient beds in use or available, healthcare personnel by discipline, and additional supplies and resources needed.
- KCPH will assist the IC to assess the effectiveness of local response and available local capacity.
- If indicated, KCPH will administer vaccine and/or preventive treatment, once available.
- Should an IC and/or EOC be established, commit resources as necessary.

After the bioterrorism event:

- The KCPH will assess its capacity to resume normal public health functions.
- In collaboration with the IC, local hospital, health facilities, and other health service providers, KCPH will assess local capacity to resume normal health care delivery.
- In collaboration with the IC, Klamath County Emergency Management, the County Treasurer, and the American Red Cross, KCPH will assess the fiscal impact of the bioterrorism event response.
- KCPH will report those assessments to OSPHD.

5.5 Klamath County Legal Counsel

Klamath County Legal Counsel shall determine the statutory requirements/provisions for isolation or quarantine of persons who have been exposed to or infected with diseases or health conditions caused by acts of bioterrorism, epidemic or pandemic disease, and infectious agents, as well as chemical, radiological, or biological toxins that pose a risk of significant morbidity and/or mortality or long-term disability.

5.6 Klamath County Public Health

- Be responsible for coordinating the control of communicable diseases and non-communicable illness associated with major emergencies or disasters and/or widespread outbreaks caused by acts of bioterrorism,

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epidemic or pandemic diseases, infectious agents, biological toxins, or chemical and radiological agents.

- Implement DHS/HS guidelines for infectious disease control.
- Report the presence of infectious disease within the county.
- Provide appropriate public information regarding the signs, symptoms, treatment, and control of communicable diseases.
- Develop and maintain a system for disseminating information to medical providers and the public, including Internet access to a public health web page, phone bank, and hotline.
- Maintain a 24/7 local communicable disease contact for rapid consultation, evaluation, and potential activation of local response.
- Collaborate with the American Red Cross and Klamath County Mental Health to assess and support their capacity to ensure counseling services to victims and emergency response workers as needed.
- Under the auspices of the Environmental Health Section, disseminate information related to health practices and sanitary measures in the event of a major emergency or disaster and/or outbreak caused by acts of terrorism, epidemic or pandemic disease, infectious agents, or chemical and radiological contamination. General responsibilities shall include the consultation, evaluation, and direction of basic environmental requirements needed to protect the health of the population by ensuring:
 - A potable water supply,
 - Solid waste management,
 - Food safety,
 - Housing sanitation and safety, and
 - Sanitation and food preparation at mass shelters.
- Should an IC and/or EOC be established, commit resources as necessary.

5.7 Klamath County Medical Examiner and Disaster Mortuary Operational Response Team (DMORT)

The Klamath County Medical Examiner (or designee) shall be responsible for coordinating mortuary services and making necessary arrangements for mortuary expansion through the Oregon Funeral Directors Association. If casualties exceed local capacity, Klamath County Emergency Manager will initiate contact with state emergency services to request Disaster Mortuary Operational Response Team services and assistance.

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- KCPH personnel will utilize established communication facilities and equipment used in normal day-to-day operations. In the event that established communications equipment is inoperable, emergency communications provisions will be activated through Klamath County Emergency Management.
- KCPH maintains a local 24/7 contact for reporting and investigation of reportable communicable disease outbreaks or any other uncommon illness of potential public health significance.
- KCPH, along with other Oregon public health departments, participates in the Health Alert Network (HAN) and Alert Oregon. Both systems are capable of electronic dissemination of alerts and advisories.
- KCPH has developed blast-fax capability and has identified and programmed groups to receive transmissions, including local medical providers, pharmacists, veterinarians, school districts, other local health departments, the State Acute and Communicable Disease program, and local media outlets.
- Refer to the Klamath County Public Health Emergency Risk Communications Draft Plan for additional details on KCPH specific communications systems and protocols.

5.9 Administration and Logistics

- KCPH personnel, all available health personnel, and private and volunteer organizations/personnel shall provide administration and logistical support of emergency health operations.
- Each department and organization shall keep accurate records of expenses, staff, equipment, supplies and facilities used.
- Augmentation of personnel may be accomplished through the utilization of other Klamath County personnel, as available and appropriate.

6 Direction and Control

- This annex may be implemented when the Klamath County Incident Command System and/or EOP is activated or at the discretion of the KCPH Director. The Klamath County Emergency Manager (or designee) will notify the KCPH Director when ICS and/or the EOP is activated. Likewise, the KCPH Director will notify the County Emergency Manager when this annex is independently activated.

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- The line of succession within the County extends from the Chair of the Board of Commissioners to the Vice-Chair, then to the Third Commissioner; thence to the Sheriff, District Attorney, Treasurer, Clerk, Assessor, and Surveyor.
- During a public health and medical services emergency, the following line of succession of authority is designated for managing and supporting ESF 8 activities:
 - Public Health Director and/or Health Officer;
 - Public Health representative as designated by the Director or Health Officer;
 - Klamath County Emergency Manager; and
 - Klamath County Board of Commissioners Chair
- ICS is the primary process for Direction and Control. An AOC or EOC may be established and be under the control of the BOCC to provide various coordination and support functions. The purpose of an AOC is to ensure effective coordination and support of personnel, facilities, equipment, procedures, and communication. Within ICS are task-oriented job descriptions that inform participants in an emergency situation of their responsibilities, integrating and coordinating the Health Department with the IC, EOC or AOC. Command decisions in an emergency will be made in a cooperative manner consistent with the principles of NIMS and ICS, emanating from the BOCC to the Incident Commander. Responsibilities for directing and coordinating the emergency response are detailed in the County EOP.

7 Supporting Plans and Procedures

- During a suspected or confirmed public health emergency, the Klamath County Board of Commissioners may declare a state of emergency under advisement from the Klamath County Public Health Administrator. The latter may request that the Board of County Commissioners issue an order to implement and provide for enforcement of isolation and quarantine procedures.
- **Klamath County Pandemic Influenza Plan, 2011.** This plan, which formally addresses the safety and protection of medical personnel and response staff during a biological incident and/or contagious outbreak, has been developed. It states KCPH will develop and provide the IC and/or EOC with protective action recommendations for the health, medical and essential service sectors. Safety precautions and personal protective equipment decisions will be specific to the type of incident occurring and will require just-in-time training among the first responder community and other support staff to implement appropriate procedures.

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- **Klamath County Strategic National Stockpile Activation Plan.**
The purpose of this plan is to coordinate activities required to request deployment of materials from the Strategic National Stockpile (SNS) in the event of a natural or intentional emergency or disaster in which local resources would be unavailable, limited or exhausted.
- **Klamath County Local Public Health Authority Natural Disaster Response Plan.** The purpose of this plan is to establish a blueprint for Klamath County Public Health activities to mitigate threat of, prepare for, respond to and recover from natural disaster events within Klamath County.
- **Klamath County Public Health Emergency Public Information Plan.** The purpose of this plan is to provides a comprehensive guide to planning for and providing a coordinated response to public information needs for all public health emergency situations that Klamath County may face, including building relationships and developing agreements among key emergency response organizations, opening communication channels with key stakeholder groups and the general public and identifying and obtaining the resources necessary for an effective public information response.
- **Klamath County Local Public Health Authority Chemical Event Response Plan.** The purpose of this plan is to establish a blueprint for Klamath County Public Health activities to mitigate threat of, prepare for, respond to and recover from a chemical exposure event within Klamath County.
- **Klamath County Local Public Health Authority Radiation Event Response Plan.** The purpose of this plan is to establish a blueprint for Klamath County Public Health activities to mitigate threat of, prepare for, respond to and recover from a radiation event within Klamath County.

8 Appendices

None at this time.