

Northwest Community EMS System

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Date: November 4, 2014

System Memo: # 350

To: All System members

Please POST

From: John M. Ortinau, M.D., FACEP

EMS Medical Director

RE: EBOLA preparedness and response

Purpose: To ensure that our PSAPs and System members have very clear messaging.

The safety of our patients, their contacts, EMS/public safety personnel, and receiving hospital staff is our top priority. While Ebola may not affect our service area, we must be prepared if it does. All must be informed so we take appropriate steps to:

PREP FOR & DETECT a patient with possible Ebola S&S

PROTECT / CONTAIN and mitigate against foreseeable risks (exposure); and RESPOND to the patient's needs; safely transport; and decon appropriately

Our plan is **EVOLVING** and will be modified as necessary to anticipate your needs and adapt to new information or guidelines as they are released by the CDC and/or Departments of Public Health.

We will do our best to be clear, concise, and to the point. However, we encourage leaders and DICOs to be familiar with the full CDC guidelines and IDPH messaging on this disease so they can inform, provide resources, monitor compliance, and answer questions from their members.

Current Risk Level in our area LOW: We are looking for very rare cases and screening a lot of people to find those few who may need to be screened further at the hospital for the disease.

KEY POINTS:

The **likelihood of contracting Ebola is extremely low** unless a person has direct unprotected contact with the blood or body fluids (urine, saliva, feces, vomit, sweat, and semen) of a person who is sick with Ebola or direct handling of bats or nonhuman primates from areas with Ebola outbreaks.

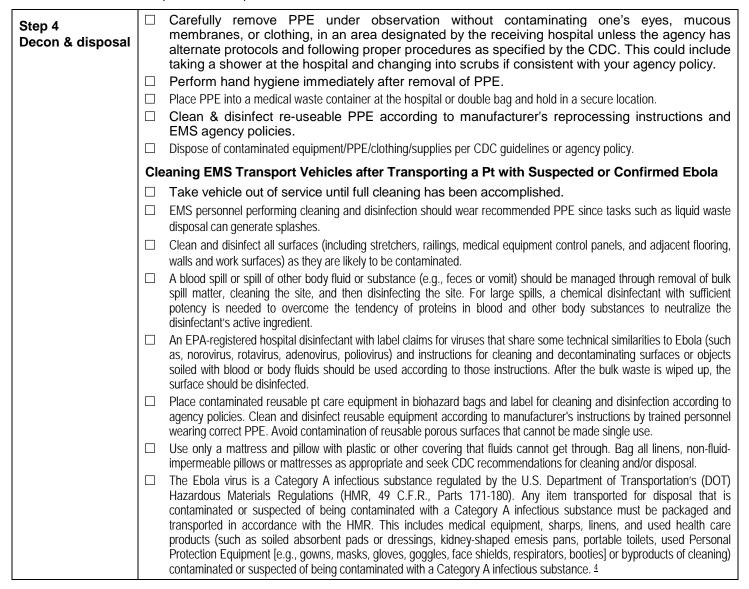
Public Safety Answering Points (PSAPs) should question callers about:

- Risk factors within the past 3 weeks (21 days) before onset of symptoms:
 - Residence in or travel to a country where an Ebola outbreak is occurring (Liberia, Guinea, Sierra Leone). A list of countries can be accessed at the following link: http://www.cdc.gov/vhf/ebola/outbreaks/2014-west-africa/index.html.
 - Direct unprotected contact with the blood or body fluids (like urine, saliva, feces, vomit, sweat, and semen) of a person who is known to have or suspected to have Ebola Virus Disease (The International Academies of Emergency Dispatch's CBNR Fast Track Committee)
- **If yes: ask about S&S of Ebola**: Fever of 100.4° F or greater, and if they have severe headache, muscle pain, vomiting, diarrhea, abdominal pain, or unexplained bleeding.
- Close coordination and frequent communications among 9-1-1 PSAPs, the EMS System, healthcare facilities, and the public health system is important when preparing for and responding to patients with suspected Ebola Virus Disease (EVD) (IDPH memo 10-30-14).
- PSAPS must notify first responders/EMS of a pt with possible exposure/symptoms of Ebola **prior to scene arrival** so they can question pt (from a distance initially) and put on appropriate PPE.

EMS PPE: Advanced planning and practice are critical in putting on and taking off PPE. □ Put on PPE before entering scene and continue to wear until personnel are no longer in contact with the pt. Empty your pockets of personal belongings before you get into PPE in case the hospital wants to bag and keep everything. □ EMS personnel must receive education and demonstrate competency in performing all Ebola-related infection control practices and procedures, specifically in donning/doffing proper PPE so no skin is exposed as described in CDC's: "Guidance on Personal Protective Equipment To Be Used by Healthcare Workers During Management of Patients with Ebola Virus Disease in U.S. Hospitals, Including Procedures for Putting On (Donning) and Removing (Doffing)."

EMS Response

Step 1	☐ If PSAP advises that pt screens for possible Ebola, apply PPE BEFORE	entering scene
Scene safety and initial screening	If scene entered without advance notice from PSAP and patient looks sick; use caution when approaching. Illness can cause delirium, with erratic behavior that can place EMS personnel at risk of infection, e.g., flailing or staggering.	
Limit # of EMS	☐ If pt conscious & talking, stand at a distance that minimizes risk of exposure to body fluids (~3 ft)	
Quickly obtain relevant exposure history		
enter pt area	Have they experienced any the following within 3 weeks (21 days) prior to ons	et of S&S?
	☐ Residence in or travel to a country where an Ebola outbreak is occurring (Liberia, Guinea,	
	Sierra Leone). See: http://www.cdc.gov/vhf/ebola/outbreaks/2014-west-af	
	Direct unprotected contact with the blood or body fluids (like urine, salive and seman) of a person who is known to have an expensed to have	
sweat, and semen) of a person who is known to have or suspected to have Ebola Virus		
	If YES: Ask if patient is exhibiting: ☐ Fever (greater than 38.6°C or 101.5°F)	
	AND one or more of the following	
	☐ Severe headache ☐ Diarrhea ☐ Muscle pain	
	☐ Weakness ☐ Vomiting ☐ Abdominal pa	ain
	☐ Unexplained bleeding or bruising	
Step 2 - ON SCENE CARE		
	If YES	If NO risk factors
body fluids cont while the other s If Ebola suspect the area and as Keep pt separat Consider pt he a radial pulse w interventions may froviders may be the pt must rem Support A,B,C exposure to infe	the PPE following CDC guidelines. Limit # of responders with direct pt and/or fact. This may involve having one provider put on PPE and manage the pt serves as a trained observer and driver. Follow AGENCY procedure. It is ted before EMS donned appropriate PPE, IMMEDIATELY WITHDRAW from seess whether an exposure occurred. If yes, see below for actions to take. It is ted from other persons as much as possible. **Ealth status:* If early in disease and pt is awake, answering questions and has it it is it is awake, answering questions and has it is it is awake. Precautions per CDC and transport. **Id not ambulatory:* Pt must be moved via stretcher to ambulance. Multiple be required to put on PPE. EMS personnel wearing PPE who have cared for the init in the back of the ambulance and not drive. **S as needed**. Whenever possible, limit interventions that can increase risk of the ectious materials (e.g. advanced airway mgt, nebulization of meds, suction, (IVF)/sharps. Handle ALL sharps with extreme care and dispose in puncture-intainers.	Proceed with normal EMS care.
Step 3	☐ Appropriately package pt using Universal and contact precautions	
Transport	If pt has copious body fluids; remove all non-essential equipment from am mutual aid "Ebola rig" that has been stripped down for this purpose (see be and walls with impermeable drapes. Follow transport vehicle with a fully-sambulance in case supplies or equipment become urgently needed during	elow). Cover floor



- These guidelines are based on current knowledge of Ebola. Updates are posted as needed on the CDC Ebola webpage(http://www.cdc.gov/vhf/ebola/index.html).
- We would encourage each agency to participate in an exercise with your most frequent receiving hospital so EMS personnel
 are aware of the hospital's receiving policies and we integrate well with the healthcare community.
- In some areas of the country a modified vehicle with limited supplies is being used to transport suspected Ebola cases and
 our System would be open to considering a similar practice. IDPH is granting waivers to have a stripped down vehicle
 transport the patient with a full-equipped ambulance driving behind that can provide additional drugs and supplies handed
 into the rig as needed without contaminating the other vehicle or crew.
- If you believe that you have fully disinfected the ambulance in compliance with CDC guidelines, and need to return the vehicle to active service, current CDC guidelines support that practice.
- If a crew has cares for a high risk patient while in proper PPE with appropriate donning and doffing using a buddy system and approved checklist, the CDC allows for them to return to usual and customary activities. If the agency chooses a different approach, all EMS personnel must comply with their agency guidelines. We will follow all current and future CDC recommendations on healthcare workers who have been in contact with confirmed Ebola patients.

If exposure occurred prior to PPE applied: Contact agency DICO and implement agency exposure plan; also contact EMS MD. It is our recommendation that they be placed in voluntary quarantine until the CDC lab report is available or until the local health department makes a determination. If the pt tests positive for Ebola, the exposed individual should receive medical evaluation and follow-up care, including fever monitoring twice daily for 21 days, after the last known exposure. Their activities during this time will be based upon EMS agency policy and determinations of state and federal public health authorities.