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# Ebola Continuum of Care State & Local Planning and Response Updates

November 7, 2014

11:00 – 12:00 PST

**\*\*ALL MATERIALS DATED NOVEMBER 7, 2014 & SUBJECT TO CHANGE\*\***

The logo for the Oregon Health Authority. It features the word "Oregon" in a smaller, orange, serif font above the word "Health" in a larger, blue, serif font. Below "Health" is the word "Authority" in a smaller, orange, serif font. The entire logo is set against a light blue, curved background.

Oregon  
Health  
Authority

# What is a Person Under Monitoring? (PUM)

- A Person Under Monitoring (PUM) is anyone who is currently well, but had some risk of exposure to Ebola in the past 21 days
- These Persons Under Monitoring (PUM) are stratified by the risk of their exposure
- The local health department can stratify persons after interviewing them

# Persons Under Monitoring (PUM)

- **HIGH RISK PUM** → for example, needle stick while caring for an Ebola patient or direct contact with secretions from an Ebola patient without personal protection
- **SOME RISK PUM** → for example, household contact with an Ebola patient without personal protection
- **LOW RISK PUM** → for example, was in one of the affected countries, but had no exposure to Ebola patients

# Oregon Epidemiology Update

(as of 11-7-2014)

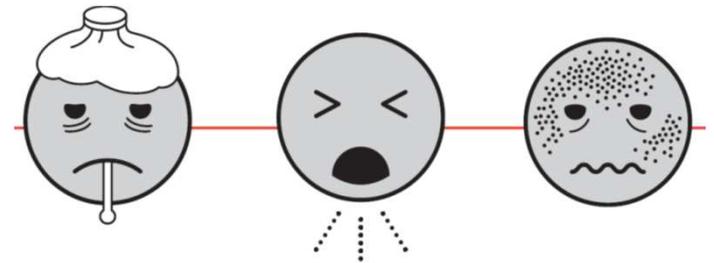
- There are **NO** cases of Ebola in Oregon
- There are 6 Persons Under Monitoring
  - 5 low risk exposures
  - 1 some risk exposure



Person Under  
Monitoring  
(PUM)



Person Under  
Investigation





## CDC GUIDELINES ON MONITORING FOR EBOLA IN THE U.S.

### EXPOSURE

### PUBLIC HEALTH ACTION

	MONITORING	RESTRICTED PUBLIC ACTIVITIES	RESTRICTED TRAVEL
<b>HIGH RISK</b> → Ex. Individuals who have had direct contact with infected bodily fluids while not wearing PPE	✓ YES <i>Directly observed by a public health authority</i>	✓ YES	✓ YES
<b>SOME RISK</b> → Ex. Health care workers returning to the U.S. after treating Ebola patients in West Africa, while wearing PPE.	✓ YES <i>Directly observed by a public health authority</i>	Case-by-case assessment	Case-by-case assessment
<b>LOW RISK</b> → Ex. Individuals who have traveled on a plane with a person showing symptoms of Ebola	✓ YES <i>Monitoring while in contact with a public health authority for some; Directly observed by a public health authority for others</i>	✗ NO	✗ NO
<b>NO RISK</b> → Ex. Individuals who have had contact with a person with Ebola before symptoms began	✗ NO	✗ NO	✗ NO

### HIGH RISK

→ Ex. Individuals who have had direct contact with infected bodily fluids while not wearing PPE

✓ YES

*Directly observed by a public health authority*

✓ YES

✓ YES

### SOME RISK

→ Ex. Health care workers returning to the U.S. after treating Ebola patients in West Africa, while wearing PPE.

✓ YES

*Directly observed by a public health authority*

Case-by-case assessment

Case-by-case assessment

### LOW RISK

→ Ex. Individuals who have traveled on a plane with a person showing symptoms of Ebola

✓ YES

*Monitoring while in contact with a public health authority for some; Directly observed by a public health authority for others*

✗ NO

✗ NO

### NO RISK

→ Ex. Individuals who have had contact with a person with Ebola before symptoms began

✗ NO

✗ NO

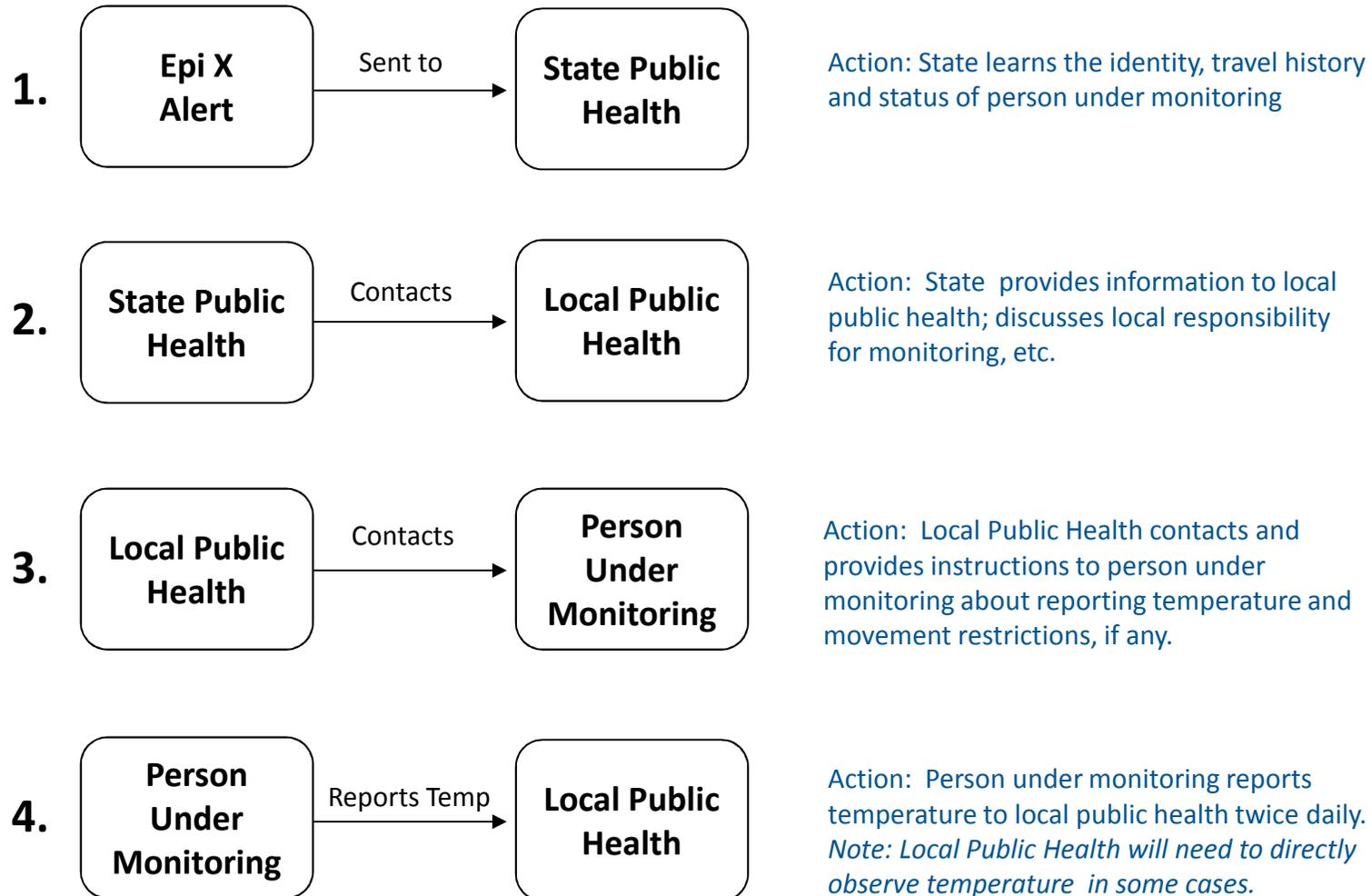
✗ NO

\*PPE stands for Personal Protective Equipment  
This chart provides one example per risk exposure. For more details, go to [CDC.gov](http://CDC.gov)



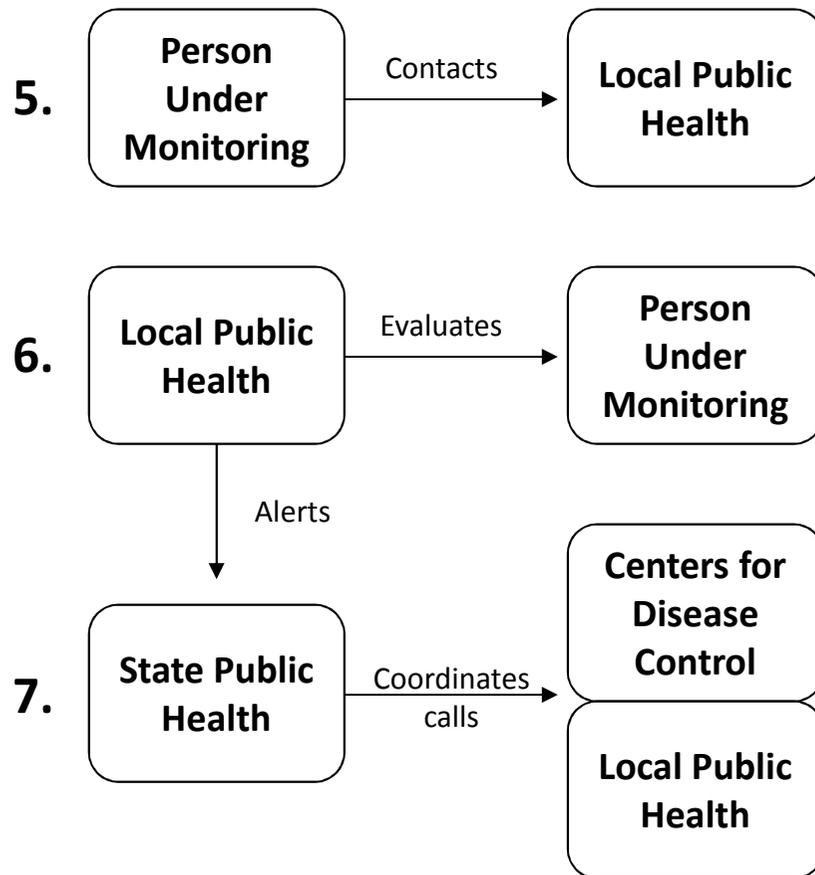
# Continuum of Care Road Map

# Continuum of Care: Person Under Monitoring



# Continuum of Care: Person Under Monitoring with Symptoms

## Person Under Monitoring develops **symptoms**



Action: As soon as a Person Under Monitoring develops symptoms they contact Local Public Health for instructions.

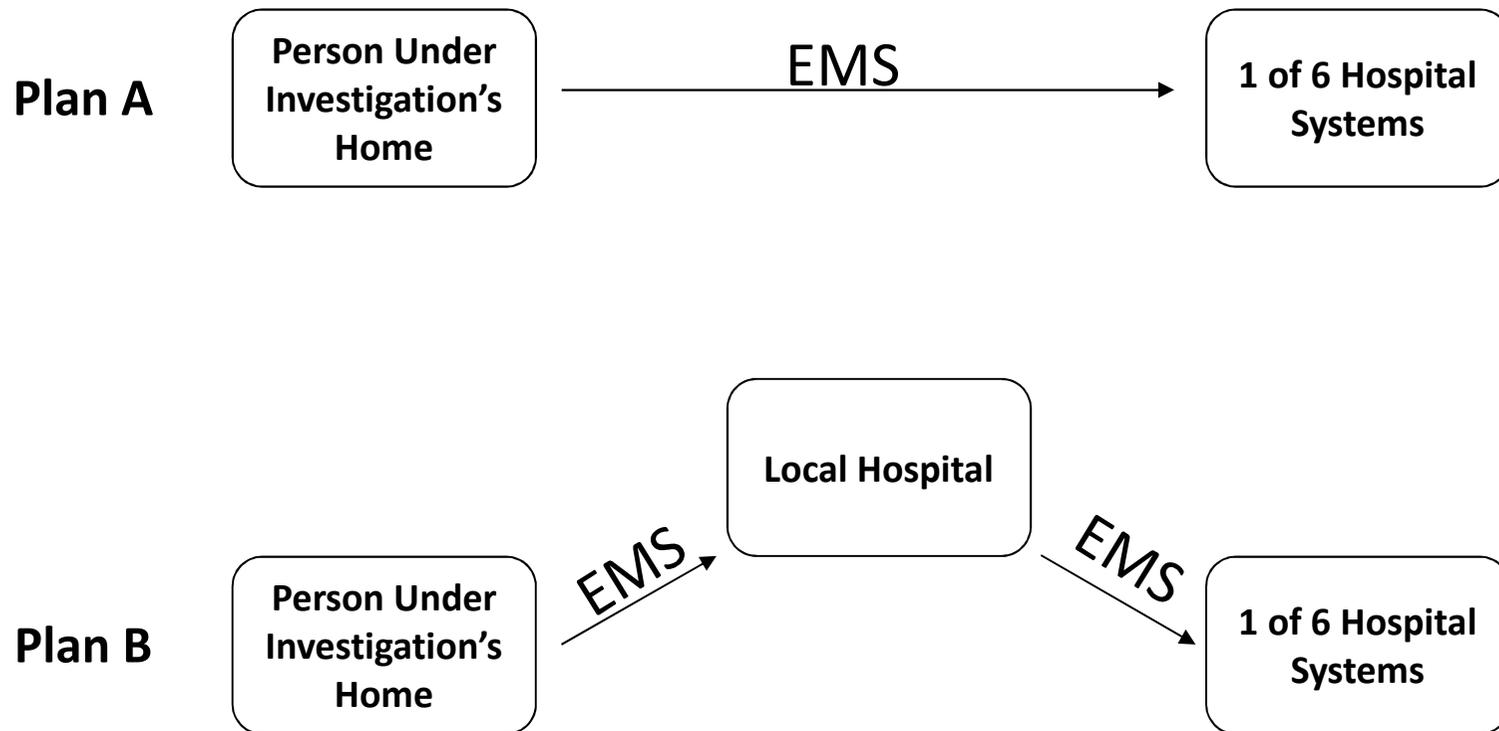
Action: Local Public Health evaluates individual, contacts state epi on call, assesses situation; begin to contact EMS, hospital. **Begins contact tracing.**

Action: State Public Health immediately convenes call with Local Public Health and CDC to discuss transport, hospital, testing needs, etc.

Note: **Multiple** calls may occur, including follow up calls linking hospital, state lab, CDC; discussion of waste management; etc.

# Continuum of Care: Person Under Monitoring Becomes a Person Under Investigation

## Transportation Recommendations: Person Under Investigation

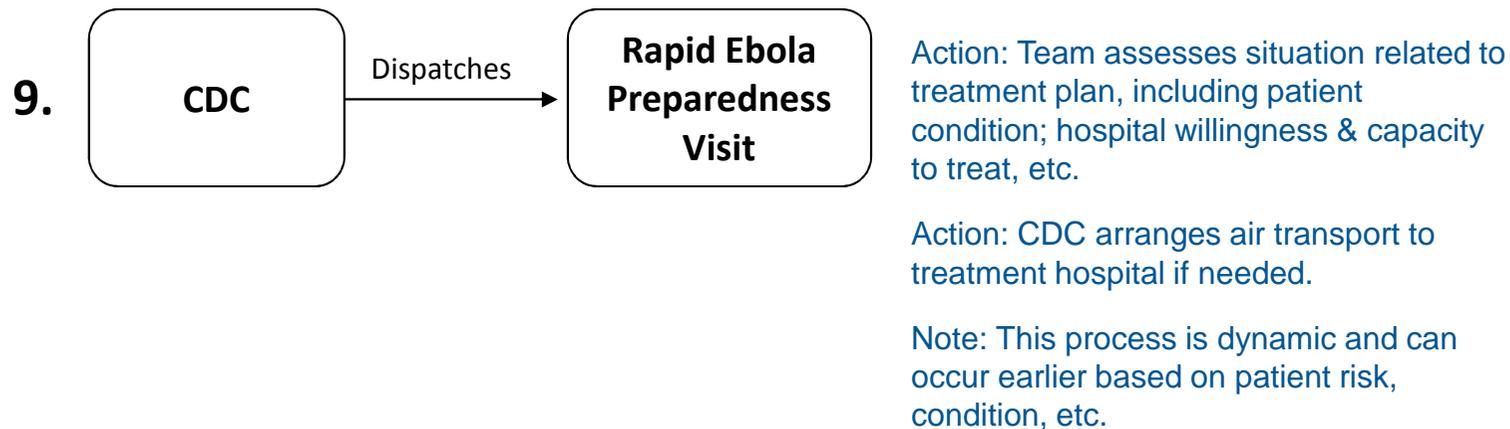


# Continuum of Care: Person Under Investigation Becomes A Person Under Treatment

## Person Under Investigation test pending



## Person Under Investigation test **positive**



# EMS transport for Ebola PUIs and suspected cases

- Preparation:
  - Required elements: PPE, preconfigured vehicle and trained personnel
  - Links: CDC, OHA, ASPR etc.
- Partnerships:
  - Local Public Health, PSAPs, regional HSPR liaison, hospitals, other local and statewide EMS assets, State Public Health
- Process:
  - Required elements: PPE use procedures, managing patient preparation for transport, transition at the hospital, return-to-duty protocol for personnel including monitoring protocol for those staff, waste management, terminal vehicle cleaning procedures.

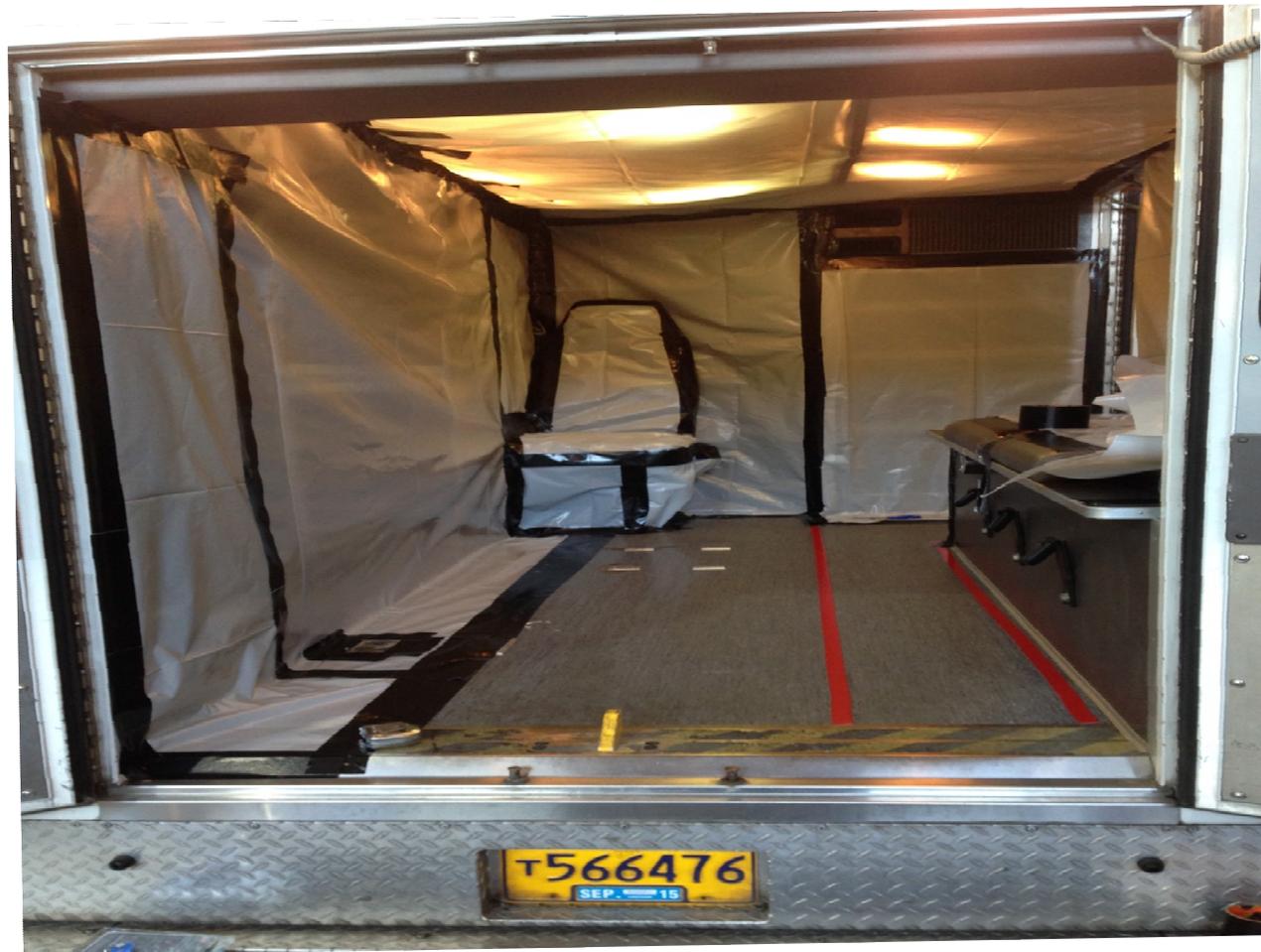
# **Person Under Investigation (PUI) Weekend Review**

**Providence Health System,  
Multnomah County,  
Portland Fire & Rescue and AMR**

**Dr. Paul Lewis, Dr. Amy Sullivan,  
Michael Kubler, Mike Verkest,  
Dr. Jon Jui**

# MCEMS Retrofitted Ambulance

(photo courtesy of Multnomah County EMS & AMR)



# MCEMS Patient Isolation Bag

(photo courtesy of Multnomah County EMS & AMR)





# Person Under Monitoring (PUM) Local Perspective

## Jackson County

Dr. Jim Shames

## Q & A:

- Questions via phone teleconference only
- Please clearly state your name & organization

## Web Resources:

- General Inquiries: [ebola.oregon@state.or.us](mailto:ebola.oregon@state.or.us)
- [www.healthoregon.org/ebola](http://www.healthoregon.org/ebola)
- <http://www.cdc.gov/vhf/ebola/>