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**
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
<table>
<thead>
<tr>
<th>EXPOSURE</th>
<th>PUBLIC HEALTH ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MONITORING</td>
</tr>
<tr>
<td><strong>HIGH RISK</strong></td>
<td></td>
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<tr>
<td>➔ Ex. Individuals who have had direct contact with infected bodily fluids while not wearing PPE</td>
<td>✔️ YES</td>
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<tr>
<td></td>
<td>Directly observed by a public health authority</td>
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<tr>
<td><strong>SOME RISK</strong></td>
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<tr>
<td>➔ Ex. Health care workers returning to the U.S. after treating Ebola patients in West Africa, while wearing PPE</td>
<td>✔️ YES</td>
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<td>Directly observed by a public health authority</td>
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<tr>
<td><strong>LOW RISK</strong></td>
<td></td>
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<tr>
<td>➔ Ex. Individuals who have traveled on a plane with a person showing symptoms of Ebola</td>
<td>✔️ YES</td>
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<tr>
<td></td>
<td>Monitoring while in contact with a public health authority for some; Directly observed by a public health authority for others</td>
</tr>
<tr>
<td><strong>NO RISK</strong></td>
<td></td>
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<tr>
<td>➔ Ex. Individuals who have had contact with a person with Ebola before symptoms began</td>
<td>✗ NO</td>
</tr>
</tbody>
</table>

*PPE stands for Personal Protective Equipment

This chart provides one example per risk exposure. For more details, go to CDC.gov
Continuum of Care
Road Map
Continuum of Care: Person Under Monitoring

1. **Epi X Alert**
   - Sent to **State Public Health**
   - Action: State learns the identity, travel history and status of person under monitoring

2. **State Public Health**
   - Contacts **Local Public Health**
   - Action: State provides information to local public health; discusses local responsibility for monitoring, etc.

3. **Local Public Health**
   - Contacts **Person Under Monitoring**
   - Action: Local Public Health contacts and provides instructions to person under monitoring about reporting temperature and movement restrictions, if any.

4. **Person Under Monitoring**
   - Reports Temp **Local Public Health**
   - Action: Person under monitoring reports temperature to local public health twice daily.
   - Note: Local Public Health will need to directly observe temperature in some cases.
5. Action: As soon as a Person Under Monitoring develops symptoms they contact Local Public Health for instructions.

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

7. 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

Plan A
Person Under Investigation’s Home → EMS → 1 of 6 Hospital Systems

Plan B
Person Under Investigation’s Home → EMS → Local Hospital → EMS → 1 of 6 Hospital Systems
**Continuum of Care: Person Under Investigation Becomes A Person Under Treatment**

### Person Under Investigation test pending

8. **Hospital** -> **Person Under Investigation**

Action: Patient remains under the care of the receiving hospital until Ebola virus can be confirmed by laboratory tests or ruled out with negative test/patient condition.

### Person Under Investigation test positive

9. **CDC** -> **Rapid Ebola Preparedness Visit**

Action: Team assesses situation related to treatment plan, including patient condition; hospital willingness & capacity to treat, etc.

Action: CDC arranges air transport to treatment hospital if needed.

Note: This process is dynamic and can occur earlier based on patient risk, condition, etc.
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
• www.healthoregon.org/ebola
• http://www.cdc.gov/vhf/ebola/