Incident Name: Mumps 2016 Activation

Mission Number: 16-4647

Date: 12/23/16  
Time: 1530

Phone: 360-236-4196  
E-mail: doh-sitl@doh.wa.gov

I. IMPACTED AREA:

King, Pierce, Yakima, and Spokane Counties are investigating confirmed and probable cases of mumps.

CBS News reports that mumps cases are on the rise in the U.S., and a growing number of schools and college campuses are reporting outbreaks.

A recent U.S. Centers for Disease Control and Prevention report shows that mumps are at a 10-year high. As of December 3, 2016, 46 states and the District of Columbia in the U.S. reported mumps infections in 4,258* people to CDC. Seven states have reported more than 100 cases this year: AR, IA, IN, IL, MA, NY, and OK. *Preliminary data reported to CDC. Mumps outbreaks are not reportable.

Mumps Cases in U.S., by Year

*Cases as of December 3, 2016. Case count is preliminary and subject to change.

Source: Morbidity and Mortality Weekly Report (MMWR), Notifiable Diseases and Mortality Tables
II. CURRENT SITUATION

On 23 November 2016 Public Health Seattle King County was notified of 3 confirmed cases of Mumps. The potential for additional cases is likely.

- There are 117 cases of mumps in Washington State (38 confirmed, 79 probable). These numbers will remain unchanged until new numbers are released around 3pm 12/27/2016.

<table>
<thead>
<tr>
<th>County</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>King</td>
<td>101</td>
</tr>
<tr>
<td>Pierce</td>
<td>11</td>
</tr>
<tr>
<td>Yakima</td>
<td>4</td>
</tr>
<tr>
<td>Spokane</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>117</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Entire outbreak</th>
<th>N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cases</td>
<td>117</td>
<td>38%</td>
</tr>
<tr>
<td>Suspect, under investigation</td>
<td>43</td>
<td>14%</td>
</tr>
<tr>
<td>Investigated, not outbreak cases</td>
<td>145</td>
<td>48%</td>
</tr>
<tr>
<td>Total persons investigated</td>
<td>305</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Confirmed and probable only</th>
<th>N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age range</td>
<td>N</td>
<td>%</td>
</tr>
<tr>
<td>0-4</td>
<td>2</td>
<td>2%</td>
</tr>
<tr>
<td>5-10</td>
<td>24</td>
<td>21%</td>
</tr>
<tr>
<td>11-14</td>
<td>34</td>
<td>29%</td>
</tr>
<tr>
<td>15-19</td>
<td>21</td>
<td>18%</td>
</tr>
<tr>
<td>20-40</td>
<td>19</td>
<td>16%</td>
</tr>
<tr>
<td>41-64</td>
<td>16</td>
<td>14%</td>
</tr>
<tr>
<td>65+</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Unknown</td>
<td>0</td>
<td>1%</td>
</tr>
</tbody>
</table>

*Age ranges were adjusted to be consistent with OFM data on 12/22/2016.
**Case Definition (2012)**

*Probable*: Acute parotitis or other salivary gland swelling lasting at least 2 days, or orchitis or oophoritis unexplained by another more likely diagnosis, in:

A person with a positive test for serum anti-mumps immunoglobulin M (IgM) antibody,  
OR  
A person with epidemiologic linkage to another probable or confirmed case or linkage to a group/community defined by public health during an outbreak of mumps.
**Confirmed:** A positive mumps laboratory confirmation for mumps virus with reverse transcription polymerase chain reaction (RT-PCR) or culture in a patient with an acute illness characterized by any of the following:

- Acute parotitis or other salivary gland swelling, lasting at least 2 days
- Aseptic meningitis
- Encephalitis
- Hearing loss
- Orchitis
- Oophoritis
- Mastitis
- Pancreatitis

### III. CURRENT RESPONSE ACTIVITIES – WASHINGTON DEPARTMENT OF HEALTH

#### General Update:

- In recent months mumps has been on the national stage as several states have been experiencing increased numbers of cases. On Friday, December 9, 2016, it became apparent that there are several coordination opportunities and we activated the DOH Incident Management Team on Monday, December 12, 2016.

DOH is leading a coordinated effort within the agency and with the local health jurisdictions to take the needed evidence-based approaches to mitigate the impact of a mumps outbreak in Washington. We are responding early in the epidemic to try to limit disease spread, especially in populations impacted, through enhanced surveillance, communication, and vaccination strategies. Throughout the response, our team will work to provide culturally and linguistically appropriate response services.

The DOH IMT has activated in the Agency Coordination Center (ACC)-TC1 Room 163 as well as at the Shoreline facility, and will be reaching out to staff to fill response roles as needs are identified.

We have a Mission Number assigned from the State Emergency Management Division (EMD).

The DOH IMT focused today on developing a communication plan for the three day holiday weekend and longer operational period (0800 12/23/16 – 0800 12/28/16). A demobilization plan was developed including a glide path with milestones. It is estimated that the IMT may demobilize at the end of next week (on 12/30/16).

#### Epidemiology and Surveillance Update:

- Support case investigation efforts through outreach and coordination with LHJ investigators to ensure uniformity in case counts and case information
- Maintain a statewide line list of cases information to ensure a statewide picture of the epidemiology of the outbreak
- Define an analysis plan for a weekly Epi Profile to be reported to the executive management team
- Work with the lab and central accessioning to track all Mumps specimens submitted and results reported
- Perform necessary technical analyses of Mumps data to support the investigation – i.e. defining the epidemic threshold
- Ensure coordination among DOH divisions, offices, and external assisting and cooperating agencies
- Establish and maintain a statewide line list of potential mumps exposure sites
• The Weekly Mumps Outbreak Summary Report was completed and published on DOH’s public facing webpage.

Public Health Laboratory Update:
• Current capacity is 19 per day
• The updated submission form has been generated and appropriately uploaded to the PHL website for use by submitters.
• An SBAR has been generated to get a decision on the mumps vs Zika priority decision. Currently pending SBAR review by CD-EPI. This decision may add more capacity. Minnesota can now test 10-12 samples per day (up from 5), California can handle any additional needs. All at no cost.
• Updated guidance for packing, shipping, and submitting mumps specimens to the state lab was sent out to LHJs and Tribal partners.
  • Continuing on with testing. Have a plan for surge if needed. Currently prioritizing cases without a clear EPI link.

Immunization and Child Profile:
• Planned for DOH health leadership call to set our position on 3rd dose recommendation
• Facilitated above call.
• Planned for Washington Vaccine Association call on 3rd dose recommendation.
• Participated in above call.
• Demobilized staff

Mitigation Strategies:
• Continue work on developing audience-specific mumps communication and strategy toolkits for LHJs, tribal staff, schools, and providers. They are nearing final form.
• Created new documents: “Stop: Consider Mumps” door warning poster and talking points for tribal audiences.
• Began planning outbreak guidance webinar for school administrators and nurses.
• Continue work with CD Epi, PIO, and LOFR on materials review and formatting, message content, and strategy.
• Mitigation team is beginning to demobilize original group members and bring on new ones while preparing for work to shift into maintenance and outreach mode.

Public Information Update:
• Revisions completed on the12/22/2016 Communications Plan following the Agency Administrator review.
• The Mumps Outbreak Guidance for Schools, Preschools, and Child Care was posted to web.
• Facebook post ‘Don’t Give Mumps’ image macro was posted on DOH page.

Social Media and Web Analytics:
12/23/2016 – Data below is new information:

Media

Mumps Cases Spike, Raising Questions About Need For Vaccine Boosters

Mumps Outbreak 2016/2017: Should We Be Concerned?
http://gazettereview.com/2016/12/mumps-outbreak-20162017-concerned/

DSHS: Cheerleading competitions connected to mumps cases
Twitter

Chatter about Texas cases (11) and Oklahoma cases (342)

Nationally, this week, Twitter has been good about giving us an indication of the spread of the Arkansas outbreak to Oklahoma, Texas and Missouri. A separate outbreak in New York has also had a lot of traction. Today we learned of an outbreak in Manitoba this fall/winter centered at the University of Manitoba. Anti-vaccine voice continues to be limited.

Locally, posts have been limited and are mostly retweets of mumps articles. Some have been voicing frustrations about the outbreak.

Facebook

More news about cases in Kansas City.

A mumps alert in Texas: health officials are alerting cheerleaders who recently competed in four cheerleading competitions about the possibility of contracting mumps at those events.

IV. ADDITIONAL RESPONSE RESOURCES

- Washington State Department of Health: www.doh.wa.gov/mumps
- CDC: https://www.cdc.gov/mumps/outbreaks.html