Meningococcal disease outbreak at Oregon State University (OSU)

Actions Requested:
1. Be aware of an ongoing disease outbreak of serogroup B meningococcal at Oregon State University (OSU) in Corvallis. OSU has held meningococcal vaccine clinics using Bexsero®.
2. Consider meningococcal disease in the differential diagnosis for OSU students who present with meningococcal disease-like symptoms (see below).
4. Consider either a first or second dose of meningococcal vaccine in OSU students 25 years of age and younger who present in your office. Serogroup B meningococcal vaccine is licensed as either a 2-dose series (Bexsero®), with the doses administered 6 months apart, or as a 3-dose series (Trumenba®), with doses administered 1-2 and 6 months following the first dose. If Trumenba® is utilized in response to a serogroup B meningococcal disease outbreak, ACIP recommends the 3-dose series in order to provide earlier protection and maximize the immune response. The same vaccine must be used for all doses.
5. Report suspect and confirmed meningococcal cases immediately to Thurston County Public Health and Social Services Department at 360-867-2500 during business hours. To report after business hours call 911 and ask them to locate the Health Officer.

Background: During the past year, Oregon State University in Corvallis has had five students treated for meningococcal disease, which is considered an outbreak. During winter break, we expect students from Washington to return home, and they may seek initial or follow-up vaccination with the meningococcal B vaccine because of the outbreak. Vaccination of these students is considered urgent. OSU requires students be vaccinated with one dose of quadrivalent meningococcal vaccine (MCV4) and a series of meningococcal B vaccine.

Symptoms of meningococcal meningitis include fever, headache, stiff neck, nausea, vomiting, photophobia (eyes being more sensitive to light), and altered mental status (confusion).

Symptoms of meningococcemia include fever, fatigue, vomiting, cold hands and feet, chills, myalgia, arthralgia, chest pain, abdominal pain, tachypnea, diarrhea, and, in the later stages, a purpuric rash.
Resources:
OSU Student Health Services: Meningococcal Disease
http://studenthealth.oregonstate.edu/meningococcal-disease

Washington State Department of Health
https://www.doh.wa.gov/YouandYourFamily/IllnessandDisease/Meningitis

CDC Meningococcal Vaccine
https://www.cdc.gov/vaccines/vpd/mening/hcp/index.html

ACIP recommendations for serogroup B meningococcal vaccine
https://www.cdc.gov/mmwr/volumes/66/wr/mm6619a6.htm

THANK YOU FOR REPORTING!

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<th>TO REPORT A NOTIFIABLE CONDITION IN THURSTON COUNTY</th>
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| Voice mail for reporting Non-immediately reportable conditions (24 hours a day) | Phone: 360-786-5470  
Fax: 360-867-2601 |
| Day time immediately reportable conditions | 360-867-2500 ask staff to locate Communicable Disease staff |
| After hours immediately and 24 hour reportable conditions or a public health emergency | Call 911 and ask staff to locate the Health Officer. |
| No one is available with Thurston County Public Health and condition is immediately notifiable | 1-877-539-4344 |