



Skagit County Public Health

Jennifer Johnson, Director
Howard Leibrand, M.D., Health Officer

Suspect Mumps Case Checklist

Consider mumps in the differential diagnosis for patients with compatible symptoms, including:

- Swollen tender salivary glands near lower ears on one or both sides (parotitis).
- Non-specific prodrome of low-grade fever, malaise, headache, myalgia, and anorexia.
- Orchitis (may develop in <10% of males with mumps infection).

To Order a Mumps Test

- ❑ Call Skagit County Public Health at (360) 416-1500 during business hours (8:00am - 4:30pm), or (360) 770-8468 after hours, for guidance and to report possible mumps cases.
- ❑ Use droplet and standard precautions. Ensure suspect mumps cases wear a mask that covers the nose and mouth, and ensure that only staff with documented immunity to mumps are allowed to enter the patient's room.
- ❑ Order RT-PCR tests for mumps through public health after obtaining approval from Skagit County Public Health:
 - On days 0-3 after onset of parotitis (with the day of onset being day 0), collect a buccal swab.
 - Massage the parotid gland for about 30 second prior to collecting specimen. Place a Dacron (or polyester, NOT cotton) swab between the rear molars and cheek (on the affected side if parotitis is unilateral) and leave in place for 10-15 seconds. Place swab in a tube containing 2-3 mL of cold viral transport medium. Keep cold after collection and during shipment.
 - Tape or parafilm the tubes to prevent leaking. Make sure patient name and second identifier are on the samples.
 - On days 4-10 after onset of parotitis (with the day of onset being day 0), collect **both** a buccal swab and urine.
 - Collect buccal swab as described above.
 - Collect urine (at least 50 ccs) in a sterile cup. Keep cold after collection and during shipment. Send urine in a sputum cup if possible, as these leak less in shipment.
 - Tape or parafilm the tubes to prevent leaking. Make sure patient name and second identifier are on the samples.
 - When ordering, indicate that specimens are to be shipped to Washington State Public Health Lab for RT-PCR for mumps.

SKAGIT COUNTY PUBLIC HEALTH

700 South 2nd Street, Room #301, Mount Vernon, WA 98273 • Phone (360) 416-1500 • Fax (360) 416-1501



Skagit County Public Health

Jennifer Johnson, Director
Howard Leibrand, M.D., Health Officer

- Complete a requisition form for the Washington State Public Health Laboratories for each specimen submitted:
<http://www.doh.wa.gov/Portals/1/Documents/5230/302-017-SerVirHIV.pdf>. Make sure all of the following information is filled out:
 - Patient name, second identifier (e.g. date of birth) and county of residence.
 - Specimen type, date of collection, onset date, and test requested (mumps RT-PCR).
 - Submitter name, address, and telephone/fax numbers.
 - **If approval is not obtained by the Skagit County Health Department, the specimen will be rejected upon arrival at Washington State Public Health Laboratory.**
- Consider ordering serology for IgG and IgM in addition to the above tests, but not in place of the above tests as laboratory detection of mumps is challenging, particularly in vaccinated individuals. Serology can be ordered and performed commercially (do not send to WA DOH Public Health Lab).
- **Instruct patient to isolate.** Suspect mumps cases should not return to work or school and should avoid contact with others until the 6th day after onset of parotitis.

Call **Skagit County Public Health** at (360) 416-1500 during business hours, or (360) 770-8468 after hours, for guidance on testing and to report possible mumps case.