

Suspect Mumps Case Checklist



Consider mumps in the differential diagnosis of patients with compatible symptoms, including: non-specific prodrome of fever, headache, muscle aches, tiredness, and loss of appetite; swollen and tender salivary glands under the ears on other or both sides (parotitis); and/or orchitis (may develop in <10% of males with mumps infection).

- Call Spokane Regional Health District Epidemiology at (509) 324-1442 during business hours, or (509) 869-3133 after hours, for guidance on testing and to report possible mumps case.**
- 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:**
 - For 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 10-15 second. Place swab in a tube containing 2-3 mL of cold viral transport medium.
 - Tape or parafilm the tubes to prevent leaking. Make sure patient name and second identifier are on the samples.
 - For 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.
 - To order, place a requisition for a miscellaneous send out test through PAML. In the text box, indicate that specimens are to be shipped to Washington State Public Health Lab for RT-PCR for mumps. PAML Send Outs will prepare the shipment for overnight shipping.
 - 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.
 - 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 commercially done through PAML (do not send to Washington Public Health Lab).
- Instruct patient to isolate.** Suspect mumps cases should not return to work or school and should avoid contact with others until 5 days after onset of parotitis.

Call Spokane Regional Health District Epidemiology at (509) 324-1442 during business hours, or (509) 869-3133 after hours, for guidance on testing and to report possible mumps case.