



PIMA COUNTY HEALTH DEPARTMENT  
COMMUNICABLE DISEASE PREVENTION, SUITE 1340  
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Dear Provider:

The Pima County Health Department, Epidemiology Program, has confirmed four cases of mumps in Pima County. Symptoms for these cases include parotitis, body aches, fever, tenderness along jaw line and extreme pain.

Implement infection control procedures when symptomatic patients present in a healthcare setting.

- Consider Mumps infection in patients exhibiting symptoms cited above including parotid gland swelling, even when there is a history of previous mumps immunization.
- Isolate suspect case patient(s) promptly.
- Organism may be isolated from buccal or blood sample for laboratory confirmation. A buccal swab may provide the best viral sample, particularly when the parotid gland area is massaged for about 30 seconds prior to collection of the buccal secretions. The best location to swab is where the parotid duct drains between the cheek and upper rear molars. Serologic diagnosis of acute infection is a positive mumps IgM. Mumps IgG can assist in the diagnosis if there is a four-fold rise between acute and convalescent specimens collected  $\geq 3$  weeks apart.
- Ascertain immunization status of health care workers involved in caring for suspect case patients in the health care setting. (To be considered immune to mumps, all health care workers should have documentation of two measles-mumps-rubella vaccines (MMR) or serologic evidence of mumps immunity, unless they were born before 1957. Healthcare facilities should strongly consider recommending one dose of mumps-containing vaccine to unvaccinated healthcare personnel born before 1957 who do not have other evidence of mumps immunity, such as laboratory evidence of immunity).
- Health care workers should use both standard and droplet precautions with suspected mumps cases. Droplet precautions involve using a surgical mask and eye protection when within 3 feet of a patient. CDC now recommends a 5-day period after parotitis onset for isolation of mumps case-patients in community and healthcare settings and for use of standard and droplet precautions.
- When case patient is suspected, prepare a listing of those in close contact with case patient in the health care setting, such as in waiting area, in anticipation of active case finding when confirmed.

Report confirmed and suspect cases to the Pima County Health Department, Disease Control at (520) 243-7797 M-F or (520) 743-7987 after hours.

Thank you for your attention.