



## PUBLIC HEALTH ADVISORY

# Health Advisory

# Mumps

March 17, 2014

Columbus Public Health &  
Franklin County Public Health

### What you need to know

A mumps outbreak at Ohio State University (OSU) is currently under investigation by Columbus Public Health. 23 cases have been identified among students, staff, family and community members with close contact with OSU students. Onset of illness is February 11, 2014 – March 12, 2014.

Mumps is a rare vaccine-preventable disease with usually 1 case reported in Columbus & Franklin County each year. The incubation period is 12-25 days, most commonly 16-18 days. Mumps cases are infectious 2 days prior to 5 days after onset of parotitis. Ohio Administrative Code 3701-3 mandates reporting of all suspected cases of mumps, with or without laboratory confirmation, as well as isolation of cases for 5 days after onset of parotitis.

Vaccine is the best intervention to prevent mumps. Since MMR is 80-90% effective, some vaccinated individuals may still become infected.

### What to watch for

Parotitis, unilateral or bilateral, often preceded by fever, headache, myalgia, fatigue and loss of appetite. Potential complications include orchitis, oophoritis, mastitis, meningitis, encephalitis and deafness.

### What you can do

Healthcare providers who suspect mumps should isolate the case for 5 days after onset of parotitis and report to Infectious Disease Reporting System (IDRS) at 614.525.8888. The preferred diagnostic tests in vaccinated persons are viral culture and polymerase chain reaction (PCR) from a buccal swab. Serology is difficult to interpret in vaccinated persons because IgM can be falsely negative and IgG does not always indicate immunity. Please contact Columbus Public Health at 614.645.5308 to arrange viral culture, PCR and IgM at Centers for Disease Control & Prevention (CDC).

### Who is at risk

Individuals at highest risk of mumps are those who have not received any doses of MMR. Those who have received only 1 dose of MMR are also at greater risk.

Healthcare workers, international travelers and students at post-high school educational institutions are also considered high risk and recommended to receive 2 doses of MMR.

Adults born before 1957 most likely had mumps and are considered immune.

### To learn more

CDC Mumps Clinical Q&A  
<http://www.cdc.gov/mumps/clinical/index.html>

CDC Mumps Laboratory Testing  
<http://www.cdc.gov/mumps/lab/index.html>

CDC Mumps Outbreak ~ Healthcare Providers  
<http://www.cdc.gov/mumps/outbreaks/outbreak-providers-qa.html>

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