



Mumps Outbreak in Ontario

December 11, 2009

32 confirmed cases of mumps have been reported in Ontario since September 11, 2009. Cases have been reported in seven health units – Simcoe-Muskoka, York Region, Waterloo, Toronto, North Bay Parry Sound, Leeds, Grenville and Lanark, and Sudbury and District.

The cases range in age from 6 to 61 years, with a median age of 20.5 years. The majority of cases are male, 87% (28/32). Many cases have occurred in university and high school students, mainly through social networks. There has also been a hockey connection for several cases.

53% of the cases have no record of MMR immunization, 15.6% (5) have received one dose and 18.8% (6) have received two doses. Immunization information is unknown for four cases.

Post-secondary and secondary students **who have not completed 2 doses of MMR remain eligible for a second dose**. Maintaining high levels of immunization is important to prevent and to manage outbreaks.

Laboratory testing for mumps includes a buccal swab and urine sample for virus detection/isolation, and serology (both acute and convalescent).

The Ministry of Health and Long Term Care is recommending the following:

Test	Time
Buccal or throat swab	Obtained within 4-7 days after onset of parotitis
AND	
Acute and convalescent serology	Acute: 1 to 7 days after onset of parotitis Convalescent: 10 to 20 days after acute specimen
AND	
Urine specimen (50 ml clean catch)	Up to 7 days after onset of parotitis

In addition, when requesting mumps specific IgM and IgG, please provide relevant clinical information on the lab requisition form and the purpose of the testing. Further testing information can be found at: http://www.health.gov.on.ca/english/providers/pub/labs/mumps_diagnostic.html

Thank you for your co-operation in this matter.

If you have any questions about this information, or any other vaccine questions, please contact the Infectious Disease Team at the Huron County Health Unit at 519-482-3416 or toll free at 1-877-837-6143.