



January 30, 2018

Mumps Advisory: Action Required

Situation:

- Mumps activity in 2017 was higher than the past eight years across North America and in Ontario. More information can be found here:
 - o http://www.publichealthontario.ca/en/eRepository/Mumps_Ontario_epi_summary.pdf
- Manitoba Public Health has also reported an increase in mumps activity, indicating 1500 confirmed cases between Sept 1, 2016 and January 9, 2018.
 - o <http://www.gov.mb.ca/health/publichealth/diseases/mumps.html>
- So far in 2018 two communities in the Northwestern Health Unit region, specifically north of Sioux Lookout have had a small number of lab confirmed mumps cases, with most of those cases being linked.
- National Advisory Committee on Immunization indicates:
 - o *Mumps vaccine effectiveness has been estimated at 62% to 91% for 1 dose and 76% to 95% for 2 doses. Mumps outbreaks have been reported in populations with greater than 95% coverage with single dose mumps-containing vaccine, suggesting that 1 dose of mumps-containing vaccine is not sufficient to prevent mumps outbreaks. In some instances, outbreaks have arisen in settings with high 2 dose coverage. Waning immunity contributes to the risk of mumps in vaccinated individuals.*

Actions for Health Care Providers:

- For any patient who has not had 2 doses of MMR vaccine, please consider referring to the MOHLTC publicly funded immunization schedule at:
http://www.health.gov.on.ca/en/pro/programs/immunization/docs/immunization_schedule.pdf
- Inform Northwestern Health Unit if mumps is suspected.
- When mumps is suspected, it is ideal to order both virus isolation and serologic testing:
 - o Buccal and urine samples for mumps
 - o Serology for mumps diagnosis (important to distinguish from testing for immunity)
 - o http://www.publichealthontario.ca/en/ServicesAndTools/LaboratoryServices/Pages/Mumps_Diagnostic_-_PCR.aspx
 - o http://www.publichealthontario.ca/en/ServicesAndTools/LaboratoryServices/Pages/Mumps_Diagnostic_Serology.aspx

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