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Key Messages:
- There is increased in mumps activity in Ontario.
- Clinicians may consider administering a third dose of mumps-containing vaccine to individuals who have been exposed to mumps cases or who are part of a group identified to be at increased risk during an outbreak.
- Confirmed cases of Listeria infection in people who consumed deli sandwiches sold at the Druxy’s Famous Deli located in the Princess Margaret Cancer Centre.

A 3rd dose of MMR vaccine has the same contraindications and precautions as doses 1 and 2.

Publicly Funded Mumps Vaccine Recommendations:
- Two doses of mumps-containing vaccines (MMR or MMRV) are recommended for all individuals born in 1970 or later. Serologic testing is not indicated for adults born in 1970 or later who do not have two documented doses of MMR vaccine.
- Health care providers of all ages should ensure they have proof of two doses of MMR vaccine or a record of serologic immunity. Health care providers who do not have proof of vaccination or immunity may be excluded should they be exposed to a confirmed case of mumps.
- UPDATE: A third dose of mumps-containing vaccine is recommended for individuals who have been exposed to mumps cases or who are part of a risk group during an outbreak.

NOTE: Doses of mumps-containing vaccine should be administered 4-6 weeks apart, depending on the product used. Please refer to Table 15 of the Publicly Funded Immunization Schedules for Ontario for more information: http://www.health.gov.on.ca/en/pro/programs/imunization/docs/immunization_schedule.pdf

Increased in Mumps Activity

There is an increase in mumps cases and outbreaks in Ontario and across North America.

Current recommendations of two doses of mumps containing vaccine (MMR or MMRV) appear to be sufficient to control mumps in the general population, but insufficient in preventing mumps outbreaks in prolonged close contact settings, such as universities and congregate settings.

Clinicians are asked to consider administering a 3rd dose of mumps-containing vaccine to patients who have been exposed to mumps cases, or who are part of a group identified to be at increased risk during an outbreak.

Evidence indicates that a 3rd dose of MMR vaccine improves protection from acquiring mumps for persons at increased risk because of an outbreak.

NOTE: Doses of mumps-containing vaccine should be administered 4-6 weeks apart, depending on the product used. Please refer to Table 15 of the Publicly Funded Immunization Schedules for Ontario for more information: http://www.health.gov.on.ca/en/pro/programs/imunization/docs/immunization_schedule.pdf
ALERT: Listerial Cases Linked to Druxy’s at Princess Margaret Cancer Centre

Toronto Public Health (TPH) is investigating three cases of *Listeria* infection in people who consumed deli sandwiches sold at the Druxy’s Famous Deli located in the Princess Margaret Cancer Centre at 610 University Avenue. Individuals who ate deli meats at this restaurant from January 1 to March 12, 2018 are asked to watch for signs and symptoms of *Listeria* infection and seek medical attention if they have symptoms. The Canadian Food Inspection Agency (CFIA) has issued a food recall of Druxy’s Fresh Deli Revolution brand Seasoned Cooked Roast Beef due to possible listeria contamination: http://inspection.gc.ca/about-the-cfia/newsroom/food-recall-warnings/complete-listing/2018-03-27/eng/1522202670387/1522202674351

Listerial – Clinical Presentation

Listerial is a foodborne illness that usually presents as a self-limited syndrome with malaise, fever and diarrhea with no further untoward outcome.

In a minority of cases, particularly the immunocompromised, neonates, elderly and pregnant women, illnesses such as bacteremia, meningitis and fetal loss can ensue. The incubation period is generally one to three weeks, but can be as short as 3 days or as long as 70 days.

More information about *Listeria* is available on the Public Health Ontario and the Public Health Agency of Canada websites.

Testing

Asymptomatic individuals:
- Should NOT be tested, regardless of whether they are high risk or consumed deli meat at any Druxy’s.
- Advise patients of invasive symptoms and to consult a health care provider should symptoms develop.

Individuals with gastroenteritis with or without fever and history consumption of deli meats from Druxy’s:
- Order routine stool culture and susceptibility as per usual practice.
- Counsel regarding potential invasive symptoms.
- If evidence of fever within 24 hours of clinical assessment, consider two sets of routine blood cultures.

Individuals with symptoms of invasive disease, regardless of exposure:
- Two sets of routine blood cultures should be taken from different sites and submitted to your private laboratory.
- Collect another set of blood cultures after 48 hours if the previous cultures are negative and there is on-going concern of invasive infection.
- If listeria is isolated from the blood sample, the isolate will be sent to the Public Health Ontario (PHO) Laboratory for confirmation and typing.
- Blood culture is NOT available at the PHO laboratory. Blood culture tubes submitted will be rejected.
- Consultation with an infectious diseases specialist is recommended.

For additional information on clinical testing for *Listeria*, please see the Public Health Ontario Lababstract: http://www.publichealthontario.ca/en/eRepository/LAB_SD_043_Listeria_monocytogenes_specimen_collection.pdf

Treatment

Listerialosis can be treated with antibiotics. Follow clinical guidelines. Depending on the form of disease, treatment may take up to six weeks or more.

Reporting

Listerialosis is a reportable disease. All suspected and confirmed cases of Listeriosis should be reported immediately to the Region of Peel - Public Health at 905-799-7700.