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FROM:

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Alert: Confirmed Case of Measles in 51 year old in Toronto Region

The unimmunized adult has a history of travel to England and France. Both countries have experienced recent measles activity. The case was infectious from October 24 to November 1st, 2010. The case may have exposed others in public venues, including the Sunnybrook Emergency Department.

If you suspect measles, call Peel Public Health immediately at **(905) 799-7700**.

Review: Paediatric Dosing for Universal Influenza Immunization Program

National Advisory Committee on Immunization (NACI) Recommended Influenza Vaccine Dosage, by Age, for the 2010-2011 Season³

Age	Dosage (mL)	# of Doses
6-35 months	0.25	1 or 2
3-8 years	0.5	1 or 2
≥9 years	0.5	1

Review: Clinical Features of Measles^{1,2}

- Incubation period=10-12 days (max= 21 days)
- Fever
- Cough, coryza, conjunctivitis
- Koplik’s spots (small spots with white or bluish white centres on an erythematous base on the buccal mucosa)
- Rash 2 - 4 days after prodrome, 14 days after exposure, persists 5 - 6 days

- Children < 9 years of age, who have never received seasonal flu vaccine, require **two** doses of seasonal flu vaccine given at least four weeks apart.
- The pandemic H1N1 (pH1N1) vaccine given in 2009-2010 **does not count as a previous dose of seasonal influenza vaccine**. A child < 9 years of age who has only received pH1N1 vaccine (regardless of the number of doses given) still requires two doses of this year’s seasonal flu vaccine.
- Children <9 years of age who have received one or more doses of seasonal flu vaccine in the past are recommended to receive one dose per season thereafter.

Please maintain a high level of suspicion for measles if a person presents with any of these symptoms.

Laboratory Diagnosis of Measles

The following tests should be performed:

- Nasopharyngeal or throat swab within 4-7 days after onset of rash, and/or
- Urine sample (50 mL of clean catch) within 7 days after onset of rash
- Acute serology for measles IgM and IgG collected within 7 days after rash onset.

Laboratory requisitions should be clearly marked **“stat”** and **“suspect case of measles”**.

¹ Epidemiology and Prevention of Vaccine-Preventable Diseases. (10th Edition, Jan. 2007.) Department of Health and Human Services, Centers for Disease Control and Prevention.

² Control of Communicable Diseases Manual. (19th Edition). Heymann, David. American Public Health Association.

³CCDR Aug. 2010 <http://www.phac-aspc.gc.ca/publicat/ccdr-rmtc/10vol36/acs-6/index-eng.php>