



THE DEPARTMENT OF EPIDEMIOLOGY, BIOSTATISTICS AND OCCUPATIONAL HEALTH, - SEMINAR SERIES IS A SELF-APPROVED GROUP LEARNING ACTIVITY (SECTION 1) AS DEFINED BY THE MAINTENANCE OF CERTIFICATION PROGRAM OF THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA

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Applied Epidemiology at Montreal Public Health: Monkeypox, COVID-19, and Beyond

MONDAY, 26 SEPTEMBER 2022 / 4:00 pm – 5:00 pm

Hybrid Format - In-Person at: Leacock Bldg. Room 219, 855 Sherbrooke St. W

Via Zoom: <https://mcgill.zoom.us/j/89641801682?pwd=TVJ0dGxVTHprelZaenhFdFZKaUtuZz09>

ALL ARE WELCOME

ABSTRACT: This seminar will showcase diverse applications of epidemiological methods in the context of Montreal Public Health's response to the monkeypox epidemic, COVID-19 pandemic and other routine operations in communicable disease prevention and control. A descriptive analysis of the epidemiology of monkeypox in Montreal, as well as the public health response to this epidemic will be presented. An evaluation of a ring vaccination intervention deployed in response to the introduction of the Alpha variant in some Montreal neighborhoods in early 2020 will also be presented. A case-control study aimed at identifying risk factors for hospitalization due to the Omicron variant in early 2022 will be described. Finally, we will present some of the routine analyses carried out by our team and showcase some of our epi reports.

OBJECTIVES:

1. Describe how some epidemiological methods and statistical analyses are used to investigate communicable disease outbreaks and guide interventions aimed at controlling transmission;
2. Describe how some epidemiological methods and statistical analyses are used to evaluate population-level outcomes of public health interventions at Montreal Public Health;
3. Identify various opportunities for practical learning, graduate student research and remunerated employment for epidemiologists at Montreal Public Health.

BIOS:

Geneviève Cadieux is a public health and preventive medicine specialist physi-

cian acting as the associate chief of communicable disease prevention and control at Montreal Public Health. She is also a clinical assistant professor of epidemiology at McGill University.

Robert Allard is a community medicine physician mostly involved in the surveillance and control of communicable diseases, and in the development of epidemiologic methodology. He has been working in public health in Montréal since 1978 and is associate professor of epidemiology at McGill University.

Pascale Leclerc supervises the operations of the communicable disease epidemiology and surveillance unit at Montreal Public Health since 2020.

Céline Signor is a field epidemiologist with the Canadian Field Epidemiology Program (CFEP) currently completing a 2-year placement at Montreal Public Health.