

Workshop on Syndromic Surveillance of Health and Climate-Related Impacts:

Lessons Learned from the use of Syndromic Surveillance Systems for Health and Climate Effects to Support Decision-Making

March 17 & 18, 2014

Kingston, Frontenac and Lennox & Addington (KFL&A) Public Health
221 Portsmouth Ave
Kingston, Ontario
Canada

The workshop, hosted by KFL&A Public Health in partnership with national and international health authorities, is an opportunity for public health professionals and emergency management officials to discuss lessons learned from the use of syndromic surveillance for climate-related health outcomes, and to guide the future use of such tools and capabilities for monitoring environmental causes of health impacts.

The event will incorporate sessions on the use of syndromic surveillance systems in the Canadian, U.S., and international contexts, as well as a case study on the 2015 Pan American Games in Ontario. The case study will explore how public health can use syndromic surveillance for mass gathering events. The workshop will be an opportunity to consult with participants and collect input through a breakout session aimed at the preparation of a guidance document for the use of syndromic surveillance systems for climate-related impacts.

An exciting initiative bringing together public health practitioners, epidemiologists, emergency management officials, environmental health experts, and others to share best practices for the use of syndromic surveillance systems for health and climate effects



Supported by the Department of Family Medicine, Public Health and Preventive Medicine Residency Program



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AGENDA

Monday, March 17 – Auditoriums A&B

9:00-9:30 **Registration**
9:30-9:45 **Welcome** – Dr. Ian Gemmill, Medical Officer of Health, and Dr. Kieran
Moore, Associate Medical Officer of Health (KFL&A Public Health)
9:45-10:00 **Introductions**

10:00-12:00 **Session 1: Surveillance Requirements for Mass Gathering Events**

Goal: To share best practices and lessons learned from the use of syndromic surveillance systems for environmental and health monitoring of populations during mass gathering events.

Chair: Brian Schwartz

Julia Gunn, Boston Public Health Commission – Biosurveillance for Mass Gatherings:
Lessons Learned from the Boston Marathon

10:40-10:50 **Break**

Alex Elliot, Public Health England – Syndromic Surveillance Lessons Learned from the
2012 London Olympics (Via Adobe Connect)

Bonnie Henry, BC CDC – Syndromic Surveillance Lessons Learned from the 2010
Vancouver Olympics

12:00-1:00 **Lunch**

1:00-2:45 Session 2: National Syndromic Surveillance Systems for Environmental and Health Monitoring

Goal: To showcase examples of environmental monitoring and human health surveillance systems, highlight current research initiatives, and share lessons learned and best practices.

Chair: David Buckeridge

Shubhayu Saha, US CDC – Surveillance of Health Outcomes Related to Climate Sensitive Exposures

Matthew Roach, Arizona Department of Health Services – U.S. Syndromic Surveillance Systems at the State/Local Level and Lessons Learned from the Climate and Health Syndromic Surveillance Workgroup (Via Adobe Connect)

José Jesus Heraclio Herrera Bazán, COFEPRIS (Mexico) – Syndromic Surveillance System for Environmental Health Effects in Mexico

Céline Caserio-Schonemann, InVS (France) – Syndromic Surveillance in France and Europe: the French SurSaUD Syndromic Surveillance System and the European Triple S Project

2:45-3:00 Break

3:00-4:45 Session 3: Focused Environmental Health Surveillance Methods

Goal: To highlight methods for environmental health surveillance, share best practices, and demonstrate how these systems can be used to inform decision-making.

Chair: Ray Copes

Tom Kosatsky, BC CDC – Syndromic Surveillance for Heat and Cold

David Buckeridge, McGill University – Evaluating the Contribution of Syndromic Surveillance to the Detection of Waterborne Disease Outbreaks

Kathryn Morrison, McGill University – A Research Plan for Surveillance and Forecasting of Acute Respiratory Health Outcomes Associated with Forest Fire Smoke Exposure

Elaina MacIntyre, PHO – Update on Environmental Health Tracking for Ontario

4:45-5:00 Wrap-up Day 1 – Jim Frehs (Health Canada)

**6:30 Complimentary Dinner at Historic Fort Henry
(transportation provided)**

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Tuesday, March 18 – Auditorium B

8:45 Registration

**9:00-10:20 Session 1: Environmental Health Hazard Identification and Risk
Communication in Preparation for the 2015 Pan American Games**

Goal: To highlight environmental health hazard identification and risk assessment, provide an overview of enhanced real-time situational awareness tools for environmental health conditions and outcomes, and review principles of risk communication in preparation for the 2015 Pan American Games.

Chair: Kieran Moore

Brian Schwartz, PHO, Jessica Harris, MOHLTC – Health System Hazard Identification and Risk Assessment for the Pan/Parapan Games

Paul Belanger, KFL&A Public Health – ACES and PHIMS: Enhanced Real-time Situational Awareness

Ray Copes, PHO – Principles of Risk Communication

10:20-10:30 Break

**10:30-12:00 Roundtable Discussion on Developing a Guidance Document for
the use of Syndromic Surveillance Systems for Health and Heat-
Related Impacts**

Goal: To apply lessons learned from the workshop sessions and to consult with participants to collect input aimed at the preparation of a guidance document for the use of syndromic surveillance systems for heat-related health impacts.

Moderators: Bonnie Henry and Geoffrey Hall

12:00 Closing Remarks – Kieran Moore (KFL&A Public Health)

Lunch

**1:00-2:30 PHPM Resident Workshop on Public Health Roles and
Responsibilities for Mass Gatherings (for PHPM Residents only)**
– Dr. Bonnie Henry (BC CDC)

WORKSHOP PLANNING COMMITTEE

Dr. Kieran Moore

Associate Medical Officer of Health
KFL&A Public Health

Erin McSorley

Workshop Coordinator
KFL&A Public Health

Geoffrey Hall

Associate Director, Water Research Centre
Queen's University

Abderrahmane Yagouti

Senior Analyst
Climate Change and Health Office, Health Canada

Shubhayu Saha

Health Scientist
Climate and Health Program, US CDC

Matthew Roach

Climate and Health Program Manager
Arizona Department of Health Services

Kristin Raab

Climate and Health Program Director
Minnesota Department of Health

Dr. Diane Lu

PHPM Senior Resident
Queen's University

ABOUT KINGSTON

The beautiful and historic city of Kingston is located in Eastern Ontario, equi-distant from Toronto, Montreal, and Ottawa. Nicknamed the "Limestone City" due to the many heritage buildings constructed from local limestone, Kingston consistently ranks as one of the best places to live in Canada. Kingston is home to Queen's University, the Royal Military College of Canada, and St. Lawrence College, which adds to the city's diverse community. For more information, please visit the Tourism Kingston website at <http://tourism.kingstoncanada.com/en/>.

KFL&A PUBLIC HEALTH

Kingston, Frontenac and Lennox & Addington (KFL&A) Public Health is an accredited local public health agency with over 200 staff and 150 volunteers who deliver public health programs and services to the people of the KFL&A area. The underlying goal of its services and programs is to promote and protect the health of the more than 180,000 residents of the Kingston, Frontenac, and Lennox & Addington area.

TRAVEL

The Kingston Airport (YGK), also known as the Norman Rogers Airport, is located within a convenient 15-minute drive to the city's downtown core. Kingston Airport is serviced by Air Canada and operates six flights a day between Kingston and Toronto Pearson International Airport (YYZ). For more information, visit <http://www.cityofkingston.ca/residents/airport>.

VIA Rail Canada offers convenient rail travel to and from Kingston. The Kingston VIA Rail station is located at 1800 John Counter Boulevard and offers connections to and from major cities such as Montreal, Ottawa, and Toronto. For more information about fares and schedules, visit <http://www.viarail.ca/>.

ACCOMMODATIONS

Donald Gordon Conference Centre

421 Union Street

Reservations: 866-455-2655

A rate of CDN \$130/night + taxes, including parking and breakfast, is available for workshop participants. Please specify that you are booking under the Public Health Workshop group.

Four Points by Sheraton

285 King Street East

Reservations: 866-716-8133

A rate of CDN \$119/night + taxes, not including parking and breakfast, is available for workshop participants. Please specify that you are booking under the KFL&A Public Health group to receive the established group rate. Please note that this rate will be held based on availability until March 3, 2014.