

Peterborough County-City Health Unit Pandemic Influenza Plan

Table of Contents	Page
Forward	i
Acknowledgements	ii
Abbreviations	iii
Executive Summary	v
Resources	vii

SECTION I

Background

1.1 Why does Peterborough County and City need a Plan for Influenza Pandemic?	1-1
1.2 About Influenza	1-1
1.3 When Does Influenza Become a Pandemic?	1-2

SECTION 2

The Context for Preparing for an Influenza Pandemic

2.1 WHO Pandemic Periods & Phases	2-1
2.2 A Collaborative Approach to Pandemic Planning	2-2
2.3 Roles and Responsibilities in Collaborative Pandemic Planning	2-2
2.4 Ethical Framework for Decision Making	2-2
2.5 Relevant Provincial Legislation	2-6
2.5.a. Emergency Legislation	2-6
2.5.b. Public Health Legislation	2-7
2.5.c. Health System Improvements Act	2-7
2.5.d. Pre-Hospital Care Legislation	2-7
2.5.e. Hospital Legislation	2-7
2.5.f. Other Facility Legislation	2-8
2.5.g. Legislation Governing Community Health Services	2-8
2.5.h. Legislation Governing Health Information	2-9
2.5.i. Legislation Governing Regulated Health Professionals	2-9
2.5.j. Legislation Governing Workplace Health and Safety	2-10

SECTION 3

Planning Goals, Approach and Assumptions

3.1 Goals	3-1
3.2 Strategic Approach	3-1
3.3 Planning Assumptions	3-1

SECTION 4

Surveillance

4.1 Objectives of Pandemic Surveillance	4-1
4.2 Surveillance.....	4-1
4.2.a. Influenza Surveillance Activities in Ontario.....	4-1
4.2.b. Influenza Surveillance Activities in Peterborough.....	4-2
4.2.c. Enhanced Surveillance Activities During a Pandemic.....	4-4
4.2.d. Evaluation of Enhanced Surveillance Activities After the Pandemic	4-5
4.3 Surveillance Communications	4-5
4.4 Surveillance Tools	4-6

SECTION 5

Antivirals and Vaccines

5.1 Objectives	5-1
5.2. Antivirals.....	5-1
5.2.a. Antiviral Supply.....	5-2
5.2.b. Antiviral Storage and Distribution.....	5-2
5.2.c. Use of Antivirals	5-3
5.2.d. Monitoring Adverse Events	5-3
5.3 Vaccine	5-3
5.3.a. Immunization Strategies.....	5-3
5.3.b. Vaccine Supply	5-4
5.3.c. Access to Vaccine	5-4
5.3.d. Distribution and Administration	5-4
5.3.e. Monitoring Adverse Events	5-5

SECTION 6

Public Health Measures

6.1 Objectives	6-1
6.2 Factors to Consider When Choosing Public Health Measures	6-1
6.3 Factors Affecting the Potential Impact of Public Health Measures.....	6-2
6.4 The Authority to Use and Enforce Public Health Measures.....	6-2
6.5 Public Health Education	6-2
6.6 Other Public Health Measures	6-3
6.7 Supplementary Public Health Measures	6-6
6.7.a. Public Education	6-6
6.7.b. Support and Guidance to Health Care Workers.....	6-6
6.8 Guidance to Organizations and Other Service Providers	6-6
6.9 Support to People at High Risk.....	6-7

SECTION 7

Health Services

7.1	Current Public Health Services	7-1
7.2	Public Health Services After the Pandemic is Declared	7-1
	7.2.a. Influenza-related Activities	7-2
	7.2.b. Other Public Health Programs and Services	7-2
	7.2.c. PCCHU Influenza Pandemic Control Centre	7-6

SECTION 8

Emergency Response

8.1	Objectives of Emergency Response	8-1
8.2	Elements of a Comprehensive Emergency Response to a Pandemic	8-1
8.3	Role of the Emergency Control Groups	8-2
8.4	Communication Between the Health Sector and Emergency Control Groups	8-3
8.5	Emergency Planning Activities	8-3
	8.5.a. General Activities	8-3
	8.5.b. Assessment Centres	8-4
	8.5.c. Mass Vaccination Clinics	8-5
	8.5.d. Antiviral Distribution	8-5
	8.5.e. Handling of the Deceased	8-5
8.6	Volunteer Management	8-5

SECTION 9

Communications

9.1	A Comprehensive Interagency Pandemic Influenza Communication Plan	9-1
	9.1.a. Objectives of the Interagency Pandemic Influenza Communication Plan	9-1
	9.1.b. Triggers for the Interagency Pandemic Influenza Communication Plan	9-2
	9.1.c. Purpose of the PCCHU Communication Plan	9-2
	9.1.d. Responsibilities and Partners for the Interagency Pandemic Influenza Communication Plan	9-3
	9.1.e. Media Releases	9-5
	9.1.f. Channels of Communication	9-6
	9.1.g. Press Conferences	9-6
	9.1.h. Website	9-8
	9.1.i. Fact Sheets and Posters	9-8
	9.1.j. Advertisements and Bulletins	9-8
	9.1.k. Telehealth and Health Canada	9-8
	9.1.l. Public Inquiry Line	9-9
	9.1.m. Health Care Settings	9-10

SECTION 10

Infection Prevention and Control and Occupational Health Safety Measures

10.1 Objective	10-1
10.2 General Infection Prevention and Control	10-1
10.2.a. Infection Prevention and Control Practices for the Public	10-2
10.2.b. Infection Prevention and Control in Schools and Daycares	10-2
10.3 Infection and Prevention Control Practices in Health Care Settings	10-2
10.3.a. The Risk in the Workplace	10-2
10.3.b. Duty to Provide Care and Responsibility to Protect Workers	10-3
10.4 Occupational Health and Safety Legislation: The Workplace Partnership	10-3
10.4.a. Role of the Workplace Safety and Insurance Board (WSIB)	10-4
10.4.b. Hierarchy of Infection Prevention and Control Measures	10-5
10.5 Droplet and Contact Precautions in Non-Outbreak Conditions	10-5
10.5.a. General Precautions	10-5
10.5.b. Precautions for Patients with Influenza Symptoms	10-6
10.5.c. Precautions for Health Care Workers	10-6
10.5.d. Removing Personal Protective Equipment (PPE)	10-6
10.5.e. Precautions for High Risk Procedures	10-7
10.5.f. Equipment and Environment	10-7
10.6 Training and Education for Health Care Workers	10-9
10.7 Occupational Health Management of Health Care Workers	10-9
10.7.a. Fit for Work	10-9
10.7.b. Unfit for Work	10-10
10.8 Environmental Cleaning	10-10
10.9 Infection Prevention and Control Guidelines for Emergency Operations Centres	10-10
10.9.a. Purpose	10-10
10.9.b. Infection Prevention and Control to Help Ensure Continuity of Operations	10-11
10.9.c. Infection and Prevention and Control Measures	10-12
10.9.d. Hand Hygiene and Cough Etiquette	10-12
10.9.e. Workspace and Equipment Disinfection	10-13
10.9.f. Personnel Screening	10-13
10.9.g. Personal Protective Equipment	10-14
10.5.h. Safety Officer	10-15

SECTION 11

Equipment and Supplies

11.1 Objectives	11-1
11.2 Equipment and Supply Targets	11-1
11.3 Planning for Generic Supplies	11-2
11.4. PCCHU Equipment Stockpile	11-2

SECTION 12

Other Health Services

12.1 Long Term Services.....	12-1
12.2 Acute Care Services.....	12-4
12.3 Community Services.....	12-6
12.4 Emergency Health Services.....	12-7
12.5 Laboratory Services.....	12-8
12.6 First Nations Health Services.....	12-10

Annexes

Annex A: Mass Vaccination Plan

- Appendix A.1 Estimated Number of Health Care Providers and Essential Service Staff in Priority Groups, Peterborough County and City, Feb, 2006
- Appendix A.2 Checklist for the Selection of Potential Mass Vaccination Sites
- Appendix A.3 Mass Vaccination Clinic Supply List
- Appendix A.4 Mass Vaccination Clinic Roles and Responsibilities Table

Annex B: Assessment Centre Plan

- Appendix B.1a Template: Clinical Assessment Form for Adults
- Appendix B.1b Template: Clinical Assessment Form for Children
- Appendix B.2 Assessment Centre Supply List
- Appendix B.3 Assessment Centre Roles and Responsibilities Table

Annex C: Antivirals Management Plan

- Appendix C.1 Antiviral Prophylaxis Distribution Summary Table
- Appendix C.2 Antiviral Eligibility Form
- Appendix C.3 Authorization Card for Antivirals for Prophylaxis
- Appendix C.4 PCCHU Antiviral Distribution Site Supply List
- Appendix C.5 Physician Authorization Form for Antivirals for Treatment
- Appendix C.6 Antiviral Distribution Site Roles and Responsibilities Table

Annex D: Handling of the Deceased

- Appendix D.1 List of Funeral Homes and Crematoria in Peterborough Area
- Appendix D.2 List of Potential Sites for Temporary Morgue Facilities
- Appendix D.3 Cultural and Religious Practices During Death and Dying

Foreward

The Peterborough County-City Health Unit Pandemic Influenza Plan outlines the actions to be carried out by the Health Unit as the lead agency in managing the response to an influenza pandemic, in coordination with the City and County Emergency Control Groups. The plan also sets out linkages with health care facilities, including the Peterborough Regional Health Centre, and other community agencies.

This plan is a living document. The most current version of the plan and/or sections will always be posted on the Peterborough County-City Health Unit website at <http://www.pcchu.ca> under the topic list 'pandemic influenza'. Holders of the plan are responsible for keeping it current by incorporating any amendments that may be issued in the future by checking our Health Unit website regularly.

The plan was written by the Peterborough County-City Health Unit under the authority of the Medical Officer of Health. Comments or suggestions relating to this plan should be directed to:

Edwina Gracias
Manager, Health Protection
Peterborough County-City Health Unit
10 Hospital Drive
Peterborough, Ontario
K9H 6J1
Fax (705)743-2897
Tel (705)743-1000

Acknowledgements

The Peterborough County-City Health Unit would like to acknowledge the Health Units in Ontario for providing their pandemic contingency plans to guide us in preparing our plan.

This plan also contains excerpts from the Ontario Health Pandemic Influenza Plan (March 2004) Draft 3 and the Canadian Pandemic Influenza Plan (December 2003). The Health Unit would like to express appreciation to the following organizations and agencies:

Community Emergency Coordinator for the City of Peterborough
Community Emergency Coordinators for the County of Peterborough
Ministry of Health and Long Term Care
Office of the Chief Coroner of Ontario
Peterborough and Lakefield Police Services
Peterborough Community Access Centre
Peterborough Emergency Medical Services
Peterborough Fire Department
Peterborough Regional Health Centre
United Way, Peterborough

Abbreviations

AC	Assessment Centre
AEFI	Adverse Event Following Immunization (AEFI)
BIOS	Biological Inventory System
CAN	Community Alert Network
CCAC	Community Care Access Centre
CCG	Community Control Group
CDC	Centers for Disease Control and Prevention
CEMC	Community Emergency Management Coordinator(s)
CEPR	Centre for Emergency Preparedness and Response
CFPC	College of Family Physicians of Ontario
CIDPC	Centre for Infectious Disease Prevention and Control
CMOH	Chief Medical Officer of Health
CPIP	Canadian Pandemic Influenza Plan
CPIP	Canadian Pandemic Influenza Plan
CPSO	College of Physicians and Surgeons of Ontario
ECG	Emergency Control Groups
EMCPA	Emergency Management and Civil Protection Act
EMO	Emergency Management Ontario
EMS	Emergency Medical Services
EMU	Emergency Management Unit
EOC	Emergency Operations Centre
EOCG	Emergency Operations Control Group
ERCG	Emergency Response Control Group (Peterborough County and City)
FRI	Febrile Respiratory Illness
HCRF	Health Care and Residential Facilities Regulation
HPPA	Health Protection and Promotion Act
ILI	Influenza-like Illness
IMS	Incident Management System
IPAC	Influenza Pandemic Assessment Centres
IPCC	Influenza Pandemic Control Centre
iPHIS	Integrated Public Health Information System
IRIS	Immunization Record Information System
IPIS	Influenza Pandemic Information System
ISPA	Immunization of School Pupil's Act
JHSC	Joint Health and Safety Committee
LTCF	Long Term Care Facility
MAC	Medical Advisory Committee
MEOC	Ministry Emergency Operations Centre
MOH	Medical Officer of Health
MOHLTC	Ministry of Health and Long Term Care (Ontario)
NACI	National Advisory Committee on Immunization
NML	National Microbiology Laboratory
NPIC	National Pandemic Influenza Committee
OGPMSS	Ontario Government Pharmaceutical and Medical Supplies Services
OHCN	Ontario Health Card Number

OHPIP	Ontario Health Pandemic Influenza Plan
OHSA	Occupational Health and Safety Act
OPP	Ontario Provincial Police
PCAC	Peterborough Community Access Centre
PCCHU	Peterborough County-City Health Unit
PHAC	Public Health Agency of Canada
PHI	Public Health Inspector
PICG	Pandemic Influenza Control Group
PIDAC	Provincial Infectious Diseases Advisory Committee
PIPIPT	Peterborough Interagency Pandemic Influenza Planning Team
PPE	Personal Protective Equipment
PRHC	Peterborough Regional Health Centre
PTAC	Provincial Transfer Authorization Centre
RHPA	Regulated Health Professions Act
SARS	Sudden Acute Respiratory Syndrome
UIIP	Universal Influenza Immunization Program (UIIP)
VAAE	Vaccine Associated Adverse Event
VPD	Vaccine Preventable Diseases
WHO	World Health Organization
WSIB	Workplace Safety and Insurance Board

Executive Summary

The next influenza pandemic is the greatest infectious disease threat. The last pandemic occurred from 1968 to 1969 and was considered mild compared to the devastating “Spanish Flu” pandemic of 1918. The 1918 pandemic was responsible for more than 50 million deaths worldwide during the 18 months that it spread around the world. An influenza pandemic is caused by a strain of avian influenza virus which has the ability to mutate or change into a virus that can infect and cause widespread illness and deaths in humans, it must also be able to spread easily from person to person. It will result in excessive demands on health services, high absentee rates, panic and economic losses.

The Peterborough County-City Pandemic Influenza Plan has been developed recognizing the need to facilitate a prompt and effective response to combat the impact of the next influenza pandemic in Peterborough County and City. Though the Peterborough County-City Health Unit (PCCHU) will act as the lead in the emergency response, various agencies in the health sector, government and public services have been involved in planning at the local level. The PCCHU Pandemic Influenza Plan is a comprehensive document that has been developed combining the information set out in the Ontario Health Pandemic Influenza Plan (OHP/IP) and the needs of the community.

The goals of the plan are two-fold. The first is to minimize serious illness and deaths by appropriately managing health care resources. The second goal is to reduce the disruption the pandemic will cause in the County and City of Peterborough.

Public health responsibilities include surveillance, mass vaccination, assessment centres, antiviral distribution, education, and coordination with emergency control groups. These key responsibilities are covered in the various sections of the plan.

Surveillance is an essential component of the plan. The section on surveillance describes the activities that will be carried out during the pandemic in order to determine when influenza is in the community, to monitor influenza activity during the pandemic and lastly to determine when there are no new cases in County and City of Peterborough.

The two key medical interventions that may help reduce the impact of an influenza pandemic are the use of antiviral drugs and immunization. The use of vaccines and antivirals are dependent on the availability and direction that will be provided by the provincial government. Detailed plans to distribute antivirals and immunize the residents of Peterborough County and City have been developed and are included in this plan.

A serious pandemic may mean that up to 24,000 residents of Peterborough City and County could come down with influenza. A detailed Assessment Centre plan has been developed to manage the overwhelming numbers of ill who are seeking a medical assessment.

Various public health measures are outlined in the plan to reduce the spread of the disease. The factors that will affect the timing and impact of these measures are outlined. The Health Unit will be responsible for providing reliable and current information on pandemic influenza. Infection prevention and control measures will be vital to reduce the spread of influenza.

The PCCHU has collaborated with the Peterborough Regional Health Centre, City of Peterborough and County of Peterborough to develop a joint communication plan. The plan describes the flow of

information to and from key groups.

The coordination and assistance from local emergency services such as police, fire, emergency medical services and the City and County Emergency Control Groups is vitally important to achieve an efficient response. The PCCHU has worked closely with these groups to develop mechanisms to mobilize resources that may be required to respond to the health demands during a pandemic. Ongoing education sessions are being held to educate key stakeholders of the need to develop business continuity plans to ensure that critical services can be maintained during the pandemic.

Pandemic preparedness is an on-going activity. The PCCHU Pandemic Influenza Plan will be reviewed and updated regularly. The most recent version can be found on the PCCHU website at:

<http://pcchu.on.ca> under topic of Pandemic Influenza.

Resources

The Ontario Pandemic Influenza Plan, outlines resources that were used by the MOHLTC as well as the Peterborough County-City Health Unit in pandemic planning (See OHPIP, Section 4 at www.health.on.ca).