FINAL PROGRAM

CANADIAN CONFERENCE ON

Counter-Terrorism and Public Health

October 29 – November 1, 2003

The Westin Harbour Castle ■ Toronto, Ontario

Health Canada Santé Canada

Canadian Public Health Association Association canadienne de santé publique

Sponsored by the Centre for Emergency Preparedness and Response, Health Canada and the Canadian Public Health Association

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WORLDWIDE, OUR VACCINES PROTECT AGAINST: CHICKENPOX • CHOLERA • DIPHTHERIA • *HAEMOPHILUS INFLUENZAE* type b INFECTIONS • HEPATITIS A • HEPATITIS B • INFLUENZA • JAPANESE ENCEPHALITIS • MEASLES • MENINGOCOCCAL MENINGITIS (serogroups A, C, Y and W-135) • MUMPS • PERTUSSIS • PNEUMOCOCCAL INFECTIONS • POLIOMYELITIS • RABIES • RUBELLA • TETANUS • TUBERCULOSIS • TYPHOID FEVER • YELLOW FEVER

Créer des vaccins, c'est croire en demain.

AU CANADA, NOS VACCINS PROTÈGENT CONTRE : CHOLÉRA • COQUELUCHE • DIPHTÉRIE • ENCÉPHALITE JAPONAISE • FIÈVRE JAUNE • FIÈVRE TYPHOÏDE • GRIPPE • HÉPATITE A • INFECTIONS À *HAEMOPHILUS INFLUENZAE* type b • INFECTIONS À PNEUMOCOQUES • MÉNINGITES À MÉNINGOCOQUES (sérogroupes A, C, Y et W-135) • POLIOMYÉLITE • RAGE • TÉTANOS • TUBERCULOSE

DANS LE MONDE, NOS VACCINS PROTÈGENT CONTRE : CHOLÉRA • COQUELUCHE • DIPHTÉRIE • ENCÉPHALITE JAPONAISE • FIÈVRE JAUNE • FIÈVRE TYPHOÏDE • GRIPPE • HÉPATITE A • HÉPATITE B • INFECTIONS À *HAEMOPHILUS INFLUENZAE* type b • INFECTIONS À PNEUMOCOQUES • MÉNINGITES À MÉNINGOCOQUES (sérogroupes A, C, Y et W-135) • OREILLONS • POLIOMYÉLITE • RAGE • ROUGEOLE • RUBÉOLE • TÉTANOS • TUBERCULOSE • VARICELLE

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Interpretation Ω

Simultaneous interpretation (English/French) will be available for all plenary sessions and Luncheons.

Greetings

As Minister of Health, I am pleased to welcome participants to the Canadian Conference on Counter-Terrorism and Public Health. We are proud to work with the Canadian Public Health Association, as well as other federal departments, to organize this first-of-its-kind Canadian Conference.

By bringing together experts from around the world, this conference will allow participants to exchange information on how to integrate responses for dealing with different types of emergencies, and to share best practices on the latest medical and scientific developments. Together we can fight terrorism, and ensure public safety and security.

Please accept my best wishes for a successful conference.

A. Anne McLellan
Minister of Health

Message from the Conference Chairs

On behalf of Health Canada and the Centre for Emergency Preparedness and Response and the Canadian Public Health Association, it is our privilege to welcome you to the Canadian Conference on Counter-Terrorism and Public Health. A dedicated group of people have worked hard to put together a program that we hope will both stimulate your thinking and meet your needs for understanding the latest developments in this field. By coming together and sharing information and experiences, we believe that this Conference will contribute to our preparedness and response capacity should we ever have to face a real terrorist event with explosives, dangerous chemicals, insidious biological agents or radioactive materials. While the threat remains low in Canada, the consequences of such an event could prove disastrous, and it behooves all of us to prepare for a level of coordinated response commensurate with the overall threat. The anthrax attack in the United States reminds us that biological threats are no longer purely theoretical and the extent to which we are prepared will determine the effectiveness of our response, if called upon to do so.

We trust you will take advantage of the opportunities offered by the Conference organizers to question both presenters and fellow participants, to debate the various issues and return home with renewed concern and appreciation for the importance of emergency preparedness.

Thank you for your participation.

Ron St. John, MD, MPH
Director General
Centre for Emergency Preparedness and Response
Population and Public Health Branch, Health Canada

Gerald H. Dafoe, MHA
Chief Executive Officer
Canadian Public Health Association

Committees

Conference Steering Committee

- Dr. Ron St. John, Director General, Centre for Emergency Preparedness & Response, Population and Public Health Branch, Health Canada (Conference Co-Chair)
- Gerald H. Dafoe, Chief Executive Officer, Canadian Public Health Association (Conference Co-Chair)
- Fran Archambault, Director, Office of Emergency Coordination Services, Centre for Emergency Preparedness and Response, Population and Public Health Branch, Health Canada
- Dr. Horacio Arruda, Director, Public Health Security, Health and Social Services Branch, Quebec Ministry of Health
- Dr. Allan Bartley, Director General, Office of Critical Infrastructure Protection and Emergency Preparedness POLICY
- Dr. Sheela Basrur, Medical Officer of Health, City of Toronto
- Janet Bax, Director General, Office of Critical Infrastructure and Emergency Preparedness PROGRAMS
- Dr. Cam Boulet, Director, CBRN Research and Technology Initiative, Defence R & D Canada
- Elaine Chatigny, Acting Director of Public Affairs, Health Policy and Communications Branch, Health Canada
- Kathryn Clout, Senior Policy Analyst, Counter-Terrorism Division, Solicitor General Canada
- Bill Douglas, Interim Emergency Preparedness and Response Regional Coordinator, Health Canada
- Dr. Pierre Duplessis, Secretary General and Chief Executive Officer, The Canadian Red Cross Society
- Wendy Eligh, Conference Coordinator, Canadian Public Health Association
- Dr. Ian Gemmill, Medical Officer of Health, Kingston, Frontenac and Lennox & Addington Health Unit
- Claude Giroux, Senior Advisor, Centre for Emergency Preparedness and Response, Population and Public Health Branch, Health Canada
- Deborah Gordon-El-Bihbety, Associate Chief Executive Officer, Canadian Public Health Association
- Dr. Kevin Keough, Chief Scientist, Office of the Chief Scientist, Health Canada
- Dr. Don Low, Chief, Department of Microbiology, Mount Sinai Hospital
- Judy Redpath, Director of Communications, Canadian Public Health Association
- Gisèle Sigouin, Assistant, Conference Department, Canadian Public Health Association

Conference Scientific Committee

- Dr. Kevin Keough (Committee Chair), Chief Scientist, Office of the Chief Scientist, Health Canada

Prevention Committee

- Dr. Ian Gemmill (Chair), Medical Officer of Health, Kingston, Frontenac and Lennox & Addington Health Unit
- Dr. John Carsley, Chief, Infectious Disease Unit, Montreal Public Health Department
- Dr. Bonnie Henry, Associate Medical Officer of Health, Toronto Public Health
- Dr. Frank Welsh, Director, Office of Emergency Preparedness, Planning and Training, Population and Public Health Branch, Health Canada

Preparedness Committee

- Dr. Pierre Duplessis (Chair), Secretary General and Chief Executive Officer, The Canadian Red Cross Society
- Dr. Sheela Basrur, Medical Officer of Health, City of Toronto
- Paul Kovacs, Executive Director, Institute for Catastrophic Loss Reduction, Adjunct Research Professor, Economics, University of Western Ontario
- Bruce Montone, Deputy Fire Chief, Ottawa Fire Services
- Dr. John Service, Executive Director, Canadian Psychological Association
- Don Shropshire, National Director, Disaster Services, The Canadian Red Cross Society
- Dr. James Young, Commissioner of Public Safety and Security, Chief Coroner for the Province of Ontario and Assistant Deputy Minister, Public Safety Division, Ministry of Public Safety and Security

Response Committee

- Bill Douglas (Chair), Interim Emergency Preparedness and Response Regional Coordinator, Health Canada
- Dr. Ross Berringer, Medical Director, Vancouver Fire and Rescue Service, Medical Advisor, Advanced Life Support, BC Ambulance Service
- Sgt. Don Bindon, Manager, Emergency Operations Program, RCMP 'E' Division
- Dr. John Blatherwick, Chief Medical Health Officer, Vancouver Coastal Health Authority
- Eric Bone, Manager, Disaster Preparedness, BC Ambulance Service
- Paul Cox, Coordinator, Pandemic Influenza Planning, BC Centre for Disease Control
- Wayne Dauphinee, Director, Emergency Preparedness, Ministry of Health Planning, BC
- John Lindsay, Disaster Management Specialist, Manitoba Health
- Dr. David Patrick, Director, Epidemiology Services, BC Centre for Disease Control, Associate Professor, Health Care and Epidemiology, University of British Columbia
- Dr. Karen Wanger, Emergency Physician, Regional Medical Coordinator, BC Ambulance Service
- Council of Health Emergency Management Directors (A national body with representation from all Provinces and Territories)

Recovery & Continuity Committee

- Janet Bax (Chair), Director General, Office of Critical Infrastructure Protection and Emergency Preparedness PROGRAMS
- Rick Bellwood, Security, Safety and Emergency Management, Real Property, Environment and Security Branch, Natural Resources Canada
- Don Eves, Head, Business Continuity Planning and Emergency Response, Safety, Emergency and Security Management Division, Assets Management Division, Corporate Services Branch, Health Canada
- John Nihmey (Alternate Chair), President, NIVA Inc.
- Arpad Palfy, Policy Advisor: Emergency Management Policy, Office of Critical Infrastructure and Emergency Preparedness

Ministry of Health
and Long-Term Care

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Commissioner of Public Health,
Chief Medical Officer of Health and
Assistant Deputy Minister

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October 2003

Dear conference participants:

It is my great pleasure to welcome all of you to the Canadian Conference on Counter-Terrorism and Public Health. And to those of you from beyond our provincial borders, I welcome you to Ontario and its capital city of Toronto.

We are proud of our ongoing collaborations with both Health Canada and the other provinces on many of our public health programs and initiatives.

Over the past 100 years, Ontario's public health specialists have achieved tremendous success in promoting good health and reducing disease in communities across the province. However, we live in an age of increasing uncertainty. This young century challenges public health systems around the world with new diseases and unforeseen threats.

None of us likes to contemplate the unthinkable, but we must if we are to act effectively and protect the public to the greatest-possible extent. The importance of our first responders working in concert cannot be over-estimated. We have seen the value of such collaboration when we responded to anthrax threats in Ontario following the terrorist attacks and anthrax deaths in the United States two years ago. Similarly, we have seen the effectiveness of a co-operative effort in dealing with the two outbreaks of SARS earlier this year in the Greater Toronto Area.

As Ontario's public health commissioner and chief medical officer of health, I have the unique privilege of working with a province-wide public health team distinguished by professional commitment and personal compassion for those it serves. I am profoundly proud of our 37 public-health units and the people who staff them, and I know they are eager to share their experience and learn from yours. This conference provides us all an excellent opportunity to do that.

Please visit us at Ontario's public health booth, which is located at booth 306 in the Metro Centre Ballroom.

Sincerely,

Colin O. D'Cunha, MBBS, MHSc, FRCPC
Commissioner of Public Health,
Chief Medical Officer of Health and
Assistant Deputy Minister

4225-64 (03/02)

Schedule at a Glance

Wednesday, October 29

12-7 pm/12:00-19:00	Registration
6:30-8:30 pm/18:30-20:30	Opening Ceremonies Ω
	Plenary I Ω
8:30-10 pm/20:30-22:00	Welcome Reception

Thursday, October 30

7:30 am-5 pm/07:30-17:00	Registration
9-10 am/09:00-10:00	Plenary II Ω
9:30 am-5 pm/09:30-17:00	Exhibition
10-10:30 am/10:00-10:30	Refreshment Break
10:30 am-12 pm/10:30-12:00	Scientific Sessions
12-2 pm/12:00-14:00	Luncheon Ω
2-3:30 pm/14:00-15:30	Scientific Sessions
3:30-4 pm/15:30-16:00	Refreshment Break
4-5:30 pm/16:00-17:30	Scientific Sessions
5:30-7 pm/17:30-19:00	Information Exchange Session

Friday, October 31

7:30 am-5 pm/07:30-17:00	Registration
8:30-10 am/08:30-10:00	Plenary III Ω
10-10:30 am/10:00-10:30	Refreshment Break
10 am-5 pm/10:00-17:00	Exhibition
10:30 am-12 pm/10:30-12:00	Scientific Sessions
12-2 pm/12:00-14:00	Luncheon Ω
2-3:30 pm/14:00-15:30	Plenary IV Ω
3:30-4 pm/15:30-16:00	Refreshment Break
4-5:30 pm/16:00-17:30	Plenary V Ω

Saturday, November 1

7:30-10 am/07:30-10:00	Registration
9-10:30 am/09:00-10:30	Scientific Sessions
10:30-11 am/10:30-11:00	Refreshment Break
11 am-12:30 pm/11:00-12:30	Plenary VI Ω
12:30-1 pm/12:30-13:00	Closing Remarks Ω

Wednesday, October 29 6:30-10 pm/18:30-22:00

6:30 pm/18:30 8:30 pm/20:30	Opening Ceremonies Ω Plenary I Ω Panel Discussion on Joint Investigation Addressing the Needs of Health Professionals and Police Investigators • *Marc-André Beaulieu* • *John Bureaux* • *Robert Wadden*
8:30 pm/20:30 10 pm/22:00	Welcome Reception

Thursday, October 30 9 am-7 pm/09:00-19:00

9 am/09:00 10 am/10:00	Plenary II Ω The Government of Canada and the Fight Against Terrorism • *The Honourable Wayne Easter*			
10 am/10:00 10:30 am/10:30	Refreshment Break			
10:30 am/10:30 12 pm/12:00	Prevention Session #1 **Understanding Terrorism: What is Needed to Prevent It** *Don Avery* *Gwynne Dyer*	Preparedness Session #1 **Is There a Threat? Towards Risk Assessment** *Dan Killam* *Cheryl Bourassa* *Patrice Guyard*	Response Session #1 **Mission Possible: Organizing and Managing a Coordinated and Integrated Response** *John Oakley* *Wayne Dauphinee* *John Lindsay*	Recovery & Continuity Session #1 **Regulated Process Recovery in Public Health Disasters** *Robert Peterson* *Jeffrey Poston* *Sally Rutherford* *Anne-Marie St-Laurent*
12 pm/12:00 2 pm/14:00	Luncheon Ω • *Speaker to be confirmed*			
2 pm/14:00 3:30 pm/15:30	Prevention Session #2 **Preventive Tools 1** *D. A. Henderson* *Luis Barreto* *Frank Souter*	Preparedness Session #2 **Planning for the Unpredictable** *Robert Lesser* *Bernard Dubois* *Michel Doré*	Response Session #2 **The Coincidence of Impact and Evidence: Control and Security Issues in Terrorist Events** *John Oakley* *Don Bindon* *Dave Hutton*	Recovery & Continuity Session #2 **Public Health Workers: Legal and Ethical Issues in Response and Recovery** *Anthony Moulton* *Elaine Gibson*
3:30 pm/15:30 4 pm/16:00	Refreshment Break			
4 pm/16:00 5:30 pm/17:30	Prevention Session #3 **The Local Planning Process for Bioterror** *Bonnie Henry* *Paul Le Guerrier* *Cheryl Bourassa* *Joseph Henderson*	Preparedness Session #3 **Lessons Learned and Impact on Planning: Doing It Right** *Sheela Basrur* *Brian Gushulak* *Stephen Corber*	Response Session #3 **Responder Protection and Safety** *Eric Bone* *Karen Wanger* *Ugis Bickis*	Recovery & Continuity Session #3 **Recovery Instruments: Have We Got It Right?** *Janet Bax* *Scott Broughton* *Don Shropshire*
5:30 pm/17:30 7 pm/19:00	Information Exchange Session			

Friday, October 31 — 8:30 am-5:30 pm/08:30-17:30

8:30 am/08:30 9:40 am/09:40	Plenary III Ω Bioterror and Public Health: How We Got Here • *D. A. Henderson*			
9:40 am/09:40 10 am/10:00	Special Recognition Event Aventis Pasteur and Canadian Public Health Association Recognition of Achievement for Contributions to Global Smallpox Eradication Award Recipients: • *Paul Fenje* • *Robert James Wilson* • *D.A. Henderson*			
10 am/10:00 10:30 am/10:30	Refreshment Break			
10:30 am/10:30 12 pm/12:00	Prevention Session # 4 **Preventing Public Fear and Panic** *Ronald Crelinsten* *Duncan Pedersen* *Patrick McGee* *Sheila Watkins*	Preparedness Session #4 **Psychological Impact: How to Prepare Potential Victims and Workers?** *Jane Mocellin* *Rocky Lopes* *Roderick Orner*	Response Session #4 **High Risk Infectious Disease Response Plans: An All Hazards Approach** *David Patrick* *John Blatherwick*	Recovery & Continuity Session #4 **Essential Services: Yours or Ours?** *Murray McQuigge* *Bernard Dubois*
12 pm/12:00 2 pm/14:00	Luncheon Ω The Response Capacity of the Public Health System in Canada: Lessons from SARS • *David Naylor*			
2 pm/14:00 3:30 pm/15:30	Plenary IV Ω Canada's National Counter-Terrorism Arrangements • *Robert Lesser* • *Frank Welsh* • *Tracy Thiessen* • *Dave Redman*			
3:30 pm/15:30 4 pm/16:00	Refreshment Break			
4 pm/16:00 5:30 pm/17:30	Plenary V Ω Media Hype, Media Help • *Peter Calamai* • *L. Ian MacDonald* • *Maureen Taylor*			

Saturday, November 1 — 9:00 am-1 pm/09:00-13:00

9 am/09:00 10:30 am/10:30	Prevention Session #5 **Preventive Tools 2** *Anne McCarthy* *To be confirmed*	Response Session #5 **Casualty Management: A Comprehensive Approach to Medical Intervention** *Karen Wanger* *Daniel Kollek*	Response Session #6 **Mitigating the Consequences and Supporting Recovery** *Colin Harwood* *Arpad Palfy* *Merv Fingas*	Recovery & Continuity Session #5 **From Chernobyl to SARS: What Have We Learned?** *Murray McQuigge* *Graeme Jannaway* *Paul Wright*
10:30 am/10:30 11 am/11:00	Refreshment Break			
11 am/11:00 1 pm/13:00	Plenary VI Ω Bioterrorism: The Modern Peril • *Laurie Garrett* Closing Remarks Ω			

Keynote Speakers

The Honourable Wayne Easter

Mr. Easter was appointed Solicitor General of Canada on October 22, 2002. Representing the riding of Malpeque in Prince Edward Island, he was first elected to the House in 1993. Prior to becoming Solicitor General, Mr. Easter was Chair of the House Standing Committee on Fisheries and Oceans. He has also held the post of Parliamentary Secretary to the Minister of Fisheries and Oceans. In an earlier session of the House, Mr. Easter was a member of the House Standing Committee on Agriculture and Agri-food, as well as Chair of the House Sub-committee on Grain Transport. Having been a long-time member of the Canada-US Parliamentary Association, Mr. Easter has extensive experience related to many bilateral issues affecting Canada-US relations.

Donald A. Henderson

Donald A. Henderson, MD, MPH '60, is the founding director of the Center for Civilian Biodefense Strategies at the Johns Hopkins Bloomberg School of Public Health, and is also a senior advisor to the US federal government and the Department of Health and Human Services on civilian biodefense matters. In October 2001, Tommy G. Thompson, Secretary of Health and Human Services, named Dr. Henderson chair of a new national advisory council on public health preparedness. From 1977 through August 1990, Dr. Henderson was dean of the Johns Hopkins School of Public Health. He came to Johns Hopkins after directing the World Health Organization's (WHO) global smallpox eradication campaign (1966-1977).

David Naylor

Dr. David Naylor, Chair, National Advisory Committee on SARS and Public Health, Dean of Medicine and Vice Provost, Relations with Health Care Institutions, at the University of Toronto since 1999, has received national and international awards for research and leadership in medicine. He currently serves on the governing boards of the Canadian Institutes of Health Research and five major teaching hospitals (Mount Sinai Hospital, the University Health Network, Sunnybrook and Women's College Health Sciences Centre, St. Michael's Hospital, and the Toronto Rehabilitation Institute). Dr. Naylor was integrally involved in the broadening of the mandate of Canada's Medical Research Council (MRC) to include population health, health services, and policy research; and later in the transformation of the MRC into the new Canadian Institutes of Health Research.

Laurie Garrett

Laurie Garrett is one of America's premier authorities on healthcare and disease prevention, and a powerful advocate for a more forceful response to threats to human health. She is a medical and science writer for New York Newsday, and author of the best-selling books *The Coming Plague: Newly Emerging Diseases in a World Out of Balance* and *Betrayal of Trust: The Collapse of Global Public Health.* These books, which explore key developments in global health and disease prevention, have both received widespread critical and popular acclaim. Laurie is the only person ever to have been awarded all three of the Big "Ps" of journalism: The Peabody, The Polk (twice), and The Pulitzer. She has written for many publications, including *Foreign Affairs, Esquire, Vanity Fair, The Los Angeles Times, The Washington Post,* and *Current Issues in Public Health.*

Special Panel Presentations

Panel Discussion on Joint Investigation Addressing the Needs of Health Professionals and Police Investigators

Marc-André Beaulieu,
Chief, National Office of Health Emergency Response Team, Population and Public Health Branch, Health Canada

John Bureaux,
Explosive Disposal and Technology Section, Technical & Protective Operations Facility

Robert Wadden,
Assistant Crown Attorney, Crown Attorney's Office

Canada's National Counter-Terrorism Arrangements

Robert Lesser,
Deputy Director General, Counter-Terrorism Division, Solicitor General Canada

Frank Welsh,
Director, Office of Emergency Preparedness, Planning and Training, Centre for Emergency Preparedness and Response, Health Canada

Tracy Thiessen,
Senior Analyst, Communication and Consultation, Privy Council Office

Dave Redman,
Director-Crisis Management, Emergency Management Alberta

Media Hype, Media Help

Peter Calamai, Toronto Star

L. Ian MacDonald, Southam News

Maureen Taylor, CBC

Program

Wednesday, October 29

12-7 pm **Registration** **Metro Ballroom Foyer**
12:00-19:00

6:30-7:00 pm **Opening Ceremonies Ω** **Metro West Ballroom**
18:30-19:00

Greetings

- Gerry Dafoe, Chief Executive Officer, Canadian Public Health Association, Conference Co-Chair

Introduction of Conference

- Ron St. John, Director General, Centre for Emergency Preparedness and Response, Population and Public Health Branch, Health Canada, Conference Co-Chair

7:00-8:30 pm **PLENARY I Ω** **Metro West Ballroom**
19:00-20:30

Panel Discussion on Joint Investigation
Addressing the Needs of Health Professionals and Police Investigators

In the event of a terrorist incident, the investigation of the source will often be an urgent matter from two different, though not opposing, perspectives. The importance of recognizing the requirements for each investigation is a topic that will be addressed. There is currently not enough understanding of the needs of the two investigative bodies among the first responder community. It is important to ensure that evidence is not rendered unusable by the actions of well-intentioned professionals who may be first on the scene, generally with other priorities than searching for an evidentiary basis for the incident. By helping everyone understand the specific requirements of various investigative bodies, there is an increased probability of resolving the incident. What is not always understood by either community is that the investigative activities of each party can and should occur simultaneously. By understanding the needs for each investigation, there is a greater possibility of interoperability among investigative agencies.

Chair:
- Kathryn Clout, Senior Policy Analyst, Counter-Terrorism Division, Solicitor General Canada

Presenters:
- Marc-André Beaulieu, Chief, National Office of Health Emergency Response Team, Population and Public Health Branch, Health Canada
- John Bureaux, Explosive Disposal and Technology Section, Technical & Protective Operations Facility
- Robert Wadden, Assistant Crown Attorney, Crown Attorney's Office

Discussion Period

8:30-10 pm **Welcome Reception** **Metro East Ballroom**
20:30-22:00

A great opportunity to meet new friends and get re-acquainted with colleagues from across Canada and internationally.

Thursday, October 30

7:30 am-5 pm **Registration** **Metro Ballroom Foyer**
07:30-17:00

9-10 am **PLENARY II Ω** **Metro West Ballroom**
09:00-10:00

The Government of Canada and the Fight Against Terrorism

In the event of a terrorist incident occurring within Canada, the Solicitor General of Canada will have a lead role for responding to the incident, as well as other Ministers, depending on the specific threat or incident. A number of initiatives have been put in place to better prevent, prepare for and respond to terrorist incidents. By working together across government and with other governments both within Canada and internationally, Canada is better able to counter the threat of terrorism.

Chair:
- Kevin Keough, Chief Scientist, Health Canada

Speaker:
- The Honourable Wayne Easter, Solicitor General of Canada, Solicitor General Canada

9:30 am-5 pm **Exhibition** **Metro Centre Ballroom**
09:30-17:00

10-10:30 am **Refreshment Break** **Metro Centre Ballroom**
10:00-10:30

CONCURRENT SESSIONS

10:30 am-12 pm **Prevention Session #1** **Pier 4**
10:30-12:00

Understanding Terrorism: What Is Needed to Prevent It

What are its roots and causes? Why does it occur? This session will provide an historical, sociological and political perspective on the root causes of terrorism.

Chair:
- Ian Gemmill, Medical Officer of Health, Kingston, Frontenac and Lennox & Addington Health Units

Presenters:
- Don Avery, Professor of History, University of Western Ontario
- Gwynne Dyer, Journalist and Author, London, UK

Discussion Period

10:30 am-12 pm **Preparedness Session #1** **Harbour B**
10:30-12:00

Is There a Threat? Towards Risk Assessment

How are threats assessed and appreciated in terms of risk management? Do you know the common risks and consequences Canada is facing? How to deal with risks and preserve our multicultural and pluralistic society?

Chair:
- James Young, Commissioner of Public Safety and Security, Chief Coroner for the Province of Ontario and Assistant Deputy Minister, Public Safety Division, Ministry of Public Safety and Security

Presenters:
- Chief Superintendent Dan Killam, Director General, National Security, Criminal Intelligence Directorate, RCMP
- Cheryl Bourassa, Director, Disaster and Emergency Health Planning, Calgary Health Region
- Patrice Guyard, Coordinator, Emergency Preparedness, Quebec Department of Health and Social Services

Discussion Period

10:30 am-12 pm **Response Session #1** **Harbour A**
10:30-12:00

Mission Possible: Organizing and Managing a Coordinated and Integrated Response

Presenters will review and compare a variety of emergency management systems currently in use in a number of jurisdictions, with an emphasis on the leadership issues involved in achieving the quality of coordination and integration necessary for effective response to terrorist events. The audience will gain an understanding of the utility of an all-hazards approach in addressing multi-agency and/or multi-jurisdictional events.

Chair:
- Bill Douglas, Interim Emergency Preparedness and Response Regional Coordinator, Health Canada

Presenters:
- John Oakley, Instructor, Justice Institute of BC
- Wayne Dauphinee, Director, Emergency Preparedness, Ministry of Health Planning, BC
- John Lindsay, Disaster Management Specialist, Manitoba Health

Discussion Period

10:30-11:30 am **Recovery & Continuity Session #1** **Harbour C**
10:30-11:30

Regulated Process Recovery in Public Health Disasters

The effect of a disaster on our water, food and drug supply can be both immediate and long-term, creating havoc for our regulatory regimes. When does disaster response become recovery? Does the end of the immediate crises mean business as usual for regulatory processes? This panel, which focuses on regulations governing drugs, will provide frank and open discussion from both government and industry perspectives.

Chair:
- Janet Bax, Director General, Office of Critical Infrastructure Protection and Emergency Preparedness PROGRAMS

Moderator:
- Robert Peterson, Director General, Therapeutic Products Directorate, Health Products and Food Branch, Health Canada

Presenters:
- Robert Peterson, Director General, Therapeutic Products Directorate, Health Products and Food Branch, Health Canada
- Jeffrey Poston, Executive Director, Canadian Pharmacists Association
- Sally Rutherford, Director General, Agriculture and Agri-Food Canada, Integrated Policy Systems

Discussion Period

11:30 am-12 pm **Harbour C**
11:30-12:00

Foodborne Illness Outbreak Response Protocol

All federal/provincial/territorial health ministers have the public health responsibility for dealing with foodborne illness outbreaks. The Foodborn Illness Outbreak Response Protocol is intended to provide operational guidance to officials that are involved in illness outbreak preparedness and response. This important protocol provides general principles and operating procedures for coordination among federal and provincial/territorial agencies during the investigation and control of foodborne illness outbreaks in Canada.

Presenter:
- Anne-Marie St-Laurent, Associate Director, Interagency Program, Bureau Food Regulatory, International and Interagency Affairs, Food Directorate, Health Products and Food Branch, Health Canada

Discussion Period

12-2 pm **Luncheon Ω** **Metro East Ballroom**
12:00-14:00

Chair:
- Colin D'Cunha, Chief Medical Officer of Health and Public Health Commissioner of Ontario

Guest:
- To be confirmed

CONCURRENT SESSIONS

2-3:30 pm **Prevention Session #2** **Pier 4**
14:00-15:30

Preventive Tools 1

This session will cover new initiatives against smallpox, the use and history of smallpox vaccine, and a unique vaccine development project.

Chair:
- Ron St. John, Director General, Centre for Emergency Preparedness and Response, Population and Public Health Branch, Health Canada

Presenters:
- D. A. Henderson, Johns Hopkins University Distinguished Service Professor, Founding Director, Center for Civilian Biodefense Strategies, USA
- Luis Barreto, Vice President, Public Policy, Director, International Public Health Affairs, Aventis Pasteur
- Frank Souter, Project Manager, Allied Vaccine Development Project, Canadian Forces Medical Group

Discussion Period

2 pm-3:30 pm **Preparedness Session #2** **Harbour B**
14:00-15:30

Planning for the Unpredictable

How to draft the plan at a municipal, provincial and national level? Are we ready? What is the true burden on resources, and can we draw lessons from other countries?

Chair:
- Donovan Arnaud, Director, Plans and Readiness, Office of Critical Infrastructure Protection and Emergency Preparedness

Presenters:
- Robert Lesser, Deputy Director General, Counter-Terrorism Division, Solicitor General Canada
- Bernard Dubois, Director, Territorial Operations and Emergency Preparedness, Quebec Ministry of Public Security
- Michel Doré, President, Stratégies multi risques

Discussion Period

2-3:30 pm **Response Session #2** **Harbour A**
14:00-15:30

The Coincidence of Impact and Evidence: Control and Security Issues in Terrorist Events

Terrorist events engage responders at the intersection of crisis and consequence management, each of which may have different objectives. Presenters will review the essential characteristics that differentiate terrorist events from other hazards, with a discussion of the implications for event management, site security, evidence collection, evacuation, epidemiological investigation, convergence management and maintaining the integrity of the EMS triage system. Included will be a discussion of appropriate preparation and utilization of volunteers.

Chair:
- Sheela Basrur, Medical Officer of Health, City of Toronto

Presenters:
- John Oakley, Instructor, Justice Institute of BC
- Don Bindon, Manager, Emergency Operations Program RCMP 'E' Division
- Dave Hutton, Manitoba Health, Strategic Initiatives/Mental Health Branch

Discussion Period

2-3:30 pm **Recovery & Continuity Session #2** **Harbour C**
14:00-15:30

Public Health Workers: Legal and Ethical Issues in Response to Recovery

Few public health professionals have experienced the intense demands associated with terrorist events. Preparing the workforce to respond effectively requires systematic development of both general and specialized competencies. Are public health professionals prepared to address privacy issues during terrorism response? Is the legal and ethical duty of confidentiality relaxed in an emergency situation? Do front-line public health professionals know how to conduct joint investigations of terrorist events with law enforcement colleagues? What general competencies for terrorism response should be mastered and what examples of training programs are available to develop such competencies?

Chair:
- John Nihmey, President, NIVA Inc.

Presenters:
- Anthony Moulton, Public Health Law Program, Centers for Disease Control and Prevention
- Elaine Gibson, Associate Director, Health Law Institute, Dalhousie University

Discussion Period

3:30-4 pm **Refreshment Break** **Metro Centre Ballroom**
15:30-16:00

CONCURRENT SESSIONS

4-5:30 pm **Prevention Session #3** **Pier 4**
16:00-17:30

The Local Planning Process for Bioterror

Checklists, templates, tools and lessons learned for local planning use for bioterror attacks. Comparison of three municipal approaches. Panel on local planning.

Chair:
- John Carsley, Chief, Infectious Disease Unit, Montreal Public Health Department

Presenters:
- Bonnie Henry, Associate Medical Officer of Health, Toronto Public Health
- Paul Le Guerrier, Medical Consultant, Montreal-Centre Public Health Department
- Cheryl Bourassa, Director, Disaster and Emergency Health Planning, Calgary Regional Health Authority
- Joseph Henderson, Associate Director, Office of Terrorism Preparedness and Emergency Response, Centers for Disease Control and Prevention

Discussion Period

4-5:30 pm **Preparedness Session #3** **Harbour B**
16:00-17:30

Lessons Learned and Impact on Planning: Doing It Right

The 'lessons learned' by professionals who responded to the aftermath of past disasters, with emphasis on the SARS epidemic. What could you expect if one of these events or attacks targeted your city? What can we transfer from past events to support our emergency and preparedness plans?

Chair:
- James Anderson, Director, Office of Public Health Security, Centre for Emergency Preparedness and Response, Health Canada

Presenters:
- Sheela Basrur, Medical Officer of Health, City of Toronto
- Brian Gushulak, Director General, Medical Services, Citizenship and Immigration
- Stephen Corber, Manager, Disease Prevention and Control, Pan American Health Organization

Discussion Period

4-5:30 pm **Response Session #3** **Harbour A**
16:00-17:30

Responder Protection and Safety

By the nature of their mandate, responders are at particular risk when dealing with some of the consequences that terrorist events can produce. The responder casualty rates in the recent SARS situation and the sarin attack in Tokyo highlight the potential risk. Presenters will review current standards of worker safety, operational protocols, the need for interoperability and areas of controversy.

Chair:
- Cam Boulet, Director, CBRN Research and Technology Initiative, Defence R & D Canada

Presenters:
- Eric Bone, Manager, Disaster Preparedness, BC Ambulance Service
- Karen Wanger, Emergency Physician and Regional Medical Coordinator, BC Ambulance Service
- Ugis Bickis, Phoenix OHC, Inc.

Discussion Period

4-5:30 pm **Recovery & Continuity Session #3** **Harbour C**
16:00-17:30

Recovery Instruments: Have We Got It Right?

Instruments ranging from plans to money are critical to disaster recovery operations. Do our current instruments for disaster address the terrorist threats we may face? How are priorities established when jurisdictions jockey for authority?

Chair:
- Scott Broughton, Assistant Deputy Minister, Population and Public Health Branch, Health Canada

Presenters:
- Janet Bax, Director General, Office of Critical Infrastructure and Emergency Preparedness PROGRAMS
- Scott Broughton, Assistant Deputy Minister, Population and Public Health Branch, Health Canada
- Don Shropshire, National Director, Disaster Services, The Canadian Red Cross Society
- Diana Jardine, Director, Municipal Programs & Education, Ministry of Municipal Affairs & Housing

Discussion Period

5:30-7 pm **Information Exchange Sessions** **Piers 7 & 8**
17:30-19:00

This special session, hosted by the four Scientific Program Chairs, will give conference delegates the opportunity to further their discussions of subjects raised during the plenary and concurrent sessions. Delegates are invited to this informal gathering and continue their networking and information exchange. A cash bar and non-alcoholic beverages will be provided.

Friday, October 31

7:30 am-5 pm
07:30-17:00 **Registration** **Metro Ballroom Foyer**

8:30-9:40 am **Plenary III Ω** **Metro West Ballroom**
08:30-09:40

Bioterror and Public Health: How We Got Here

Dr. D.A. Henderson, a leading authority on smallpox and biological weapons, will provide a review of the evolution of concerns about bioterrorism; the CDC "A-list" with respect to agents and threats; and will comment on the astounding revelations of the former head of Soviet biowarfare, Dr. Ken Alibek. Dr. Henderson will also examine how to prepare and respond to a public health/counter-terrorism emergency, and will review the work of the Center for Civilian Biodefense Strategies at the Johns Hopkins Bloomberg School of Public Health, of which he is the founding director.

Chair:
- Ian C. Green, Deputy Minister, Health Canada

Speaker:
- D.A. Henderson, MD, MPH, Johns Hopkins University Distinguished Service Professor, Founding Director, Center for Civilian Biodefense Strategies

Discussion Period

9:40-10 am **Special Recognition Event Ω** **Metro West Ballroom**
09:40-10:00

Aventis Pasteur and Canadian Public Health Association Recognition of Achievement for Contributions to Global Smallpox Eradication

From 1966 through 1979, Drs. Paul Fenje, Robert J. Wilson and Donald A. Henderson worked closely together to ensure the international availability of dried smallpox vaccine of the highest possible quality and quantities and in the most effective package for use during the World Health Organization's global smallpox eradication program.

Chair:
- Luis Barreto, Vice President Public Policy, Director, Corporate Public Policy – International Public Health Affairs, Aventis Pasteur

Award Recipients:
- Paul Fenje
- Robert James Wilson
- D.A. Henderson

10-10:30 am **Refreshment Break** **Metro Centre Ballroom**
10:00-10:30

10 am-5 pm **Exhibition** **Metro Centre Ballroom**
10:00-17:00

CONCURRENT SESSIONS

10:30 am-12 pm **Prevention Session #4** **Pier 4**
10:30-12:00

Preventing Public Fear and Panic

The psychology of terror: what makes terrorists think and behave the way that they do. How can the effects of a terrorist attack on the public be mitigated. Learn the principles of crisis communications through a case study.

Chair:
- Bonnie Henry, Associate Medical Officer of Health, City of Toronto

Presenters:
- Ronald Crelinsten, Department of Criminology, University of Ottawa
- Duncan Pedersen, Director, Psychosocial Research Division, Douglas Hospital Research Centre – McGill University
- Patrick McGee, President, McGee and Associates
- Sheila Watkins, Director General, Communications, Marketing and Consultation Branch, Health Canada

Panel Discussion

10:30 am-12 pm **Preparedness Session #4** **Harbour B**
10:30-12:00

Psychological Impact: How to Prepare Potential Victims and Workers?

How to prepare for these events, understanding the emotional impact on victims and workers? Are our public health care professionals and emergency managers ready to deal with short-term and long-term consequences? What are the implications for Canadian public health professionals working in a multi-cultural, pluralistic society?

Chair:
- John Service, Executive Director, Canadian Psychological Association

Presenters:
- Jane Mocellin, Disaster Management, Preparedness & Response, France
- Rocky Lopes, Disaster Services Preparedness, American Red Cross
- Roderick Orner, Department of Clinical Psychology, Baverstock House, UK

Discussion Period

10:30 am-12 pm **Response Session #4** **Harbour A**
10:30-12:00

High Risk Infectious Disease Response Plans: An All Hazards Approach

A biological terrorist attack would likely result in an atypical dispersal of disease that would challenge traditional public health infectious disease outbreak management capabilities. Taking an all-hazards approach, presenters will review recently developed pandemic influenza and smallpox contingency plans, considering a number of issues including surveillance and detection, operational issues in activating the plans and the conduct of public education programs.

Chair:
- Frank Plummer, Acting Director General, Centre for Infectious Disease Prevention and Control, Population and Public Health Branch (PPHB), Health Canada; Scientific Director General, National Microbiology Laboratory, PPHB

Presenters:
- David Patrick, Director Epidemiology Services, BC Centre for Disease Control
- John Blatherwick, Chief Medical Health Officer, Vancouver Coastal Health Authority

Discussion Period

10:30 am-12 pm **Recovery & Continuity Session #4** **Harbour C**
10:30-12:00

Essential Services: Yours or Ours?

When recovering from a terrorist attack, essential services and time are critical rivals. Do business impact analyses accurately reflect the ownership issues with respect to assets and services? How can critical infrastructure be determined when perspectives among levels of government differ?

Chair:
- Horacio Arruda, Director, Public Health Security, Health and Social Services Branch, Quebec Ministry of Health

Presenters:
- Murray McQuigge, Clinical Adjunct Professor, University of Western Ontario, Department of Family Medicine
- Doug Harrison, Deputy Chief, Emergency Management Ontario

Discussion Period

12-2 pm **Luncheon Ω** **Metro East Ballroom**
12:00-14:00

The Response Capacity of the Public Health System in Canada: Lessons from SARS

Thousands of health care workers and citizens rose to the challenge of SARS, but serious questions have been raised about the preparedness of our health system to combat and contain this and similar outbreaks. Dr. Naylor will report on the findings and recommendations of a national task force that has reviewed the lessons to be learned from SARS, with particular respect to public health.

Chair:
- J. Mark Lievonen, President, Aventis Pasteur Limited

Guest:
- David Naylor, Chair, National Advisory Committee on SARS and Public Health, Dean of Medicine and Vice Provost, Relations with Health Care Institutions, University of Toronto

2-3:30 pm **Plenary IV Ω** **Metro West Ballroom**
14:00-15:30

Canada's National Counter-Terrorism Arrangements

This session will briefly describe Canada's over-arching National Counter-Terrorism Plan and how it relates to a biological terrorist event. This will also include both a health and a communications perspective. In addition, the arrangements now in place in one province will be described. The information provided will be useful to the first responder community in understanding the overall response structure.

Chair:
- Ron de Burger, Director, Healthy Environments, Toronto Public Health

Presenters:
- Robert Lesser, Deputy Director General, Counter-Terrorism Division, Solicitor General Canada
- Frank Welsh, Director, Office of Emergency Preparedness, Planning and Training, Centre for Emergency Preparedness and Response, Health Canada
- Tracy Thiessen, Senior Analyst, Communication and Consultation, Privy Council Office
- Dave Redman, Director-Crisis Management, Emergency Management Alberta

Discussion Period

3:30-4 pm **Refreshment Break** **Metro Centre Ballroom**
15:30-16:00

4-5:30 pm **Plenary V Ω** **Metro West Ballroom**
16:00-17:30

Media Hype, Media Help

Special panel presentation and debate about the role of the media in a CBRNE event. Hear what some of Canada's top journalists say about informing the public and decision-makers during public health emergencies.

Chair:
- Sheila Watkins, Director General, Communications, Communications, Marketing and Consultation Branch, Health Canada

Moderator:
- Patrick McGee, President, McGee and Associates

Panelists:
- Peter Calamai, Toronto Star
- L. Ian MacDonald, Southam News
- Maureen Taylor, CBC

Discussion Period

Saturday, November 1

7:30-10 am **Registration** **Metro Ballroom Foyer**
07:30-10:00

CONCURRENT SESSIONS

9-10:30 am **Prevention Session #5** **Pier 4**
09:00-10:30

Preventive Tools 2

This session will cover some of the preventive measures that are available to mitigate the effect of a biological, chemical or nuclear attack. It will also address how information can be used to prevent the effects of terrorist activities.

Chair:
- Frank Welsh, Director, Office of Emergency Preparedness, Planning and Training, Centre for Emergency Preparedness and Response, Health Canada

Presenters:
- Anne McCarthy, Director, Infectious Disease Division, Ottawa Hospital General Campus
- Slavica Vlahovich, Medical Advisor, Radiation Protection Bureau, Health Canada

Discussion Period

9-10:30 am **Response Session #5** **Harbour B**
09:00-10:30

Casualty Management: A Comprehensive Approach to Medical Intervention

In a large terrorist event involving CBRNE agents, the treatment imperative can quickly overwhelm capacity, raising requirements for extraordinary leadership and patient management. Presenters will address protocols and guidelines for triage and treatment for pediatric, adult, geriatric and immune-compromised casualties of CBRNE agents within a context of integrated medical and public health leadership.

Chair:
- Bill Douglas, Interim Emergency Preparedness and Response Regional Coordinator, Health Canada

Presenters:
- Karen Wanger, Emergency Physician, Regional Medical Coordinator, BC Ambulance Service
- Daniel Kollek, Associate Professor – Emergency Medicine, Director of Continuing Medical Education, Emergency Program Hamilton Health Sciences, Hamilton General Hospital

Discussion Period

9-10:30 am **Response Session #6** **Harbour A**
09:00-10:30

Mitigating the Consequences and Supporting Recovery

CBRNE events are inherently 'dirty', leaving casualties and responders sufficiently contaminated as to sustain continuing risk to themselves and others. Since the anthrax events in the US, there has been an international initiative in developing decontamination protocols for affected civilian populations. Presenters will review these initiatives and other issues dealing with individual, multiple, mass and site/facility decontamination.

Chair:
- Claude Giroux, Senior Advisor, Centre for Emergency Preparedness and Response, Population and Public Health Branch, Health Canada

Presenters:
- Colin Harwood, Director, Office of Emergency Services, Centre for Emergency Preparedness and Response, Health Canada
- Arpad Palfy, Policy Advisor: Emergency Management Policy, Office of Critical Infrastructure and Emergency Preparedness
- Merv Fingas, Chief Emergencies Science and Technology, Environment Canada

Discussion Period

9-10:30 am **Recovery & Continuity Session #5** **Harbour C**
09:00-10:30

From Chernobyl to SARS: What Have We Learned?

After September 11th, everyone scrambled to inventory their Emergency Preparedness and Business Continuity plans to determine their level of preparedness in the event of an emergency. What they found were Y2K plans, useful to some degree but hardly reflective of an all hazards approach and unlikely to address the new reality of terrorism in our society. However, in a public health disaster, are Y2K plans really that irrelevant when the system relies on quick and accurate information? What lessons can be learned from plans that were designed to avert a crisis from happening? What other lessons can be learned from actual disasters in recent history, including Chernobyl, September 11th, Walkerton, and SARS?

Chair:
- Don Low, Chief, Department of Microbiology, Mount Sinai Hospital

Presenters:
- Murray McQuigge, Clinical Adjunct Professor, University of Western Ontario, Department of Family Medicine
- Graeme Jannaway, CBCP CISA, Jannaway and Associates
- Paul Wright, MBCP, P.E. Wright & Associates Inc.

Discussion Period

10:30-11 am **Refreshment Break** **Metro Ballroom Foyer**
10:30-11:00

11 am-12:30 pm **Plenary VI Ω** **Metro West Ballroom**
11:00-12:30

Bioterrorism: The Modern Peril

It is a thought both surreal and terrifying: the use of bio-chemical weapons by international terrorists. Is it possible? If so, who is capable of making it happen, and what form might the terror take?

Chair:
- David Butler-Jones, Medical Officer of Health, Sun Country Regional Health

Speaker:
- Laurie Garrett, Writer, Newsday, Author, *Betrayal of Trust: The Collapse of Global Public Health*, USA

Discussion Period

12:30-1 pm **Closing Remarks** **Metro West Ballroom**
12:30-13:00

Ron St. John, Director General, Centre for Emergency Preparedness and Response, Population and Public Health Branch, Health Canada, Conference Co-Chair

Gerry Dafoe, Chief Executive Officer, Canadian Public Health Association, Conference Co-Chair

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Exhibition

Metro Centre Ballroom

Exhibit Hours:	Thursday, October 30	09:30-17:00
	Friday, October 31	10:00-17:00

Delegates are encouraged to visit the exhibits and see the latest products and publications relating to all facets of public health and to learn more about the work being carried out by companies, government departments, agencies and non-government organizations.

Aventis Pasteur Limited	Booths #405 & 407
Centre for Emergency Preparedness and Response, Health Canada	Booths #302 & 304
Chemical, Biology, Radiological, Nuclear Technology Initiative (CRTI)	Booth #400
Defence Research & Development Canada – Suffield	Booth #404
DND – Allied Vaccine Development Project	Booth #402
Emergency Management Ontario, Ministry of Public Safety and Security	Booth #301
Ontario Ministry of Health and Long-Term Care	Booth #306
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