Health Adaptation to Extreme Heat Events

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Peter Berry, Ph.D. **Climate Change and Health Office Health Canada**

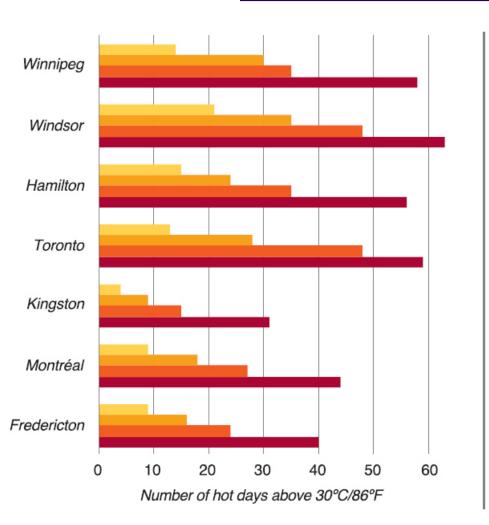


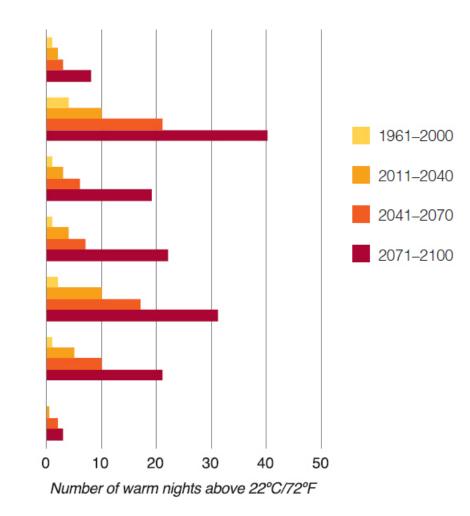


Health Risks in Canada from Climate Change



Heat Projections for Select Canadian Cities







Factors that Increase Vulnerability





Health Canada, 2011

Toward Health Adaptation Action

Groundwork

Assessments

Adaptation research

Conceptual tools

Stakeholder networking

Policy recommendations

Legislation

Departmental development

Public outreach

Surveillance/monitoring

Adaptation Action

Infrastructure/technology

Program evaluations

Financial support

Medical interventions







EM Action With and Without "Adaptation"

EM Action

Hazard Risk VulnerabiliytAssessment

Disaster mitigation

Disaster planning

Table top exercises

Surveillance

Response and recovery

Increasing planning capacity

EM + Adaptation

HRVA integrating climate change + CC assessments

Disaster mitigation informed by CC drivers (e.g, UHI)

Disaster plans – informed by CC (eg., simultaneous events)

TTX with CC scenario

Monitoring new health risks

Activate surge capacity

Partners with CC knowledge, staff aware of CC risks

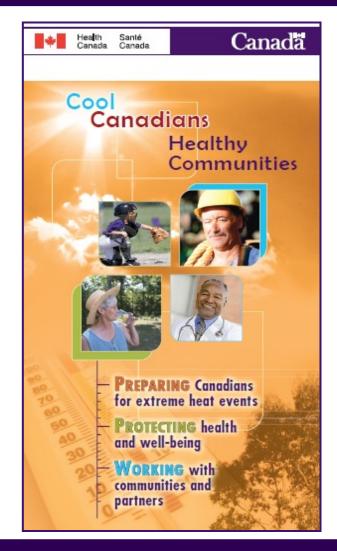


Developing Heat Resilient Communities and Individuals

Goal: In partnership with provinces and communities, expand HARS to increase the resilience of Canadians to the health risks of extreme heat events

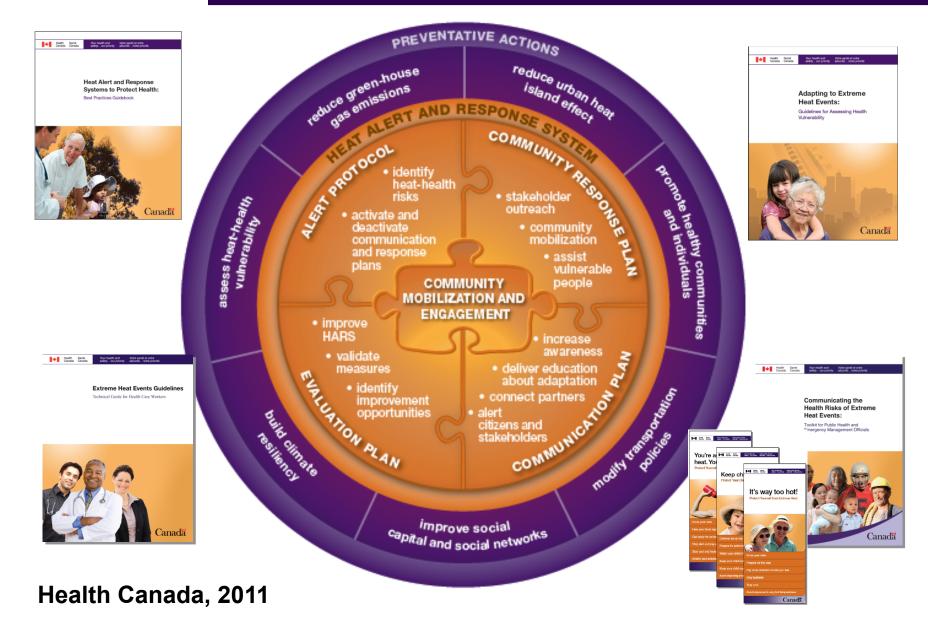
Four areas of activity:

- i) Heat health messaging to support personal adaptation
- ii) Heat-Health Science: Address critical knowledge gaps
- iii) Clinical training: Enable health professionals to better advise, diagnose and treat their clients
- iv) Expansion of HARS to communities across Canada





Heat Alert and Response Systems



Best Communication Practices



Audience

<u>Message</u>



Message delivery

Perceptions

Challenges

Heat-vulnerabilities

Needs

Clear

Tailored

Address barriers to action

Media

Interpersonal networks

Community & group events

Collaborative

Timing

Adaptation



Challenges - Addressing Barriers to Adaptation

Examples of Challenges Seniors Face in Adapting to Extreme Heat Events

Older adults ¹¹	Reduced literacy



Challenges - Contradictory Messages



Challenges – Met Data to Protect Health

Potential
UHI effect in
Edmonton,
Alberta

August 18, 2008



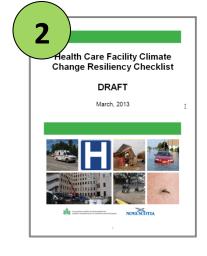


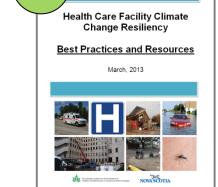
Health Care Facility Resiliency Toolkit

1) Facilitator Presentation

2) Health Care Facility Resiliency Checklist

3) Best Practices and Resources





3

Health Care Facility Climate Change Resiliency

Facilitator's Presentations









THANK-YOU

For more information, please contact:

Peter Berry

Peter.Berry@hc-sc.gc.ca

www.healthcanada.gc.ca/cc

