Key findings from the Climate Change and Health Vulnerability Assessment for Waterloo Region, Wellington County, Dufferin County, and the City of Guelph

Air Quality

Climate Change Projections

- Increasing temperatures
- Higher ground-level ozone
- More air health advisories

Ground-level ozone is an air pollutant and effects human health

Health Impacts

Air Pollution

- Linked to premature deaths from heart disease, stroke, and lung cancer
- 5th Leading mortality health risk in the world
- 15,300 Related deaths in Canada per year
- 395 Local deaths in 2016
  257 in Waterloo Region
  138 in Wellington-Dufferin-Guelph
Vulnerable Populations

Levels of exposure, sensitivity, and lack of adaptive capacity may create more risk for:

- People with cardiovascular or respiratory conditions
- Older adults
- Outdoor workers
- Commuters
- Children
  - Contributes to early onset of childhood asthma and reduced lung function

People living near major roads and highways

- % living within 50 m of major roads and highways: 30% in Waterloo Region, 25% in Wellington-Dufferin-Guelph
- % living within 100 m of major roads and 150 m from highways: 13% in Waterloo Region, 12% in Wellington-Dufferin-Guelph
- % living within 100 m of major roads and 500 m from highways: 23% in Waterloo Region, 23% in Wellington-Dufferin-Guelph

To view the full report or to request an alternate format of this document, please contact:

519-575-4400 or TTY: 519-575-4608
www.regionofwaterloo.ca

519-822-2715
www.wdgpublichealth.ca

Climate change adaptation can help to protect against risks and build resilience to thrive under new climate conditions. Adaptation is a shared responsibility that is crucial to address the health impacts of climate change. To learn more about current and possible community adaptation initiatives, see the full Climate Change and Health Vulnerability Assessment.

With support from
Health Canada
Santé Canada

The views expressed herein do not necessarily represent the views of Health Canada