OPPORTUNITIES TO ADDRESS CLIMATE CHANGE

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Barrie AT & Sustainability Advisory Committee, 2019











The Town of Huntsville declared an emergency at 7 pm on Jan. 09, 2008.



On June 23rd, 2010, an F2 tornado touched down in Midland.



Flooding along the Big East River corridor from Lake Vernon to River Cove.



Tornado caused extensive property damage in a small geographic area...

RESOURCES

Vulnerability Assessment

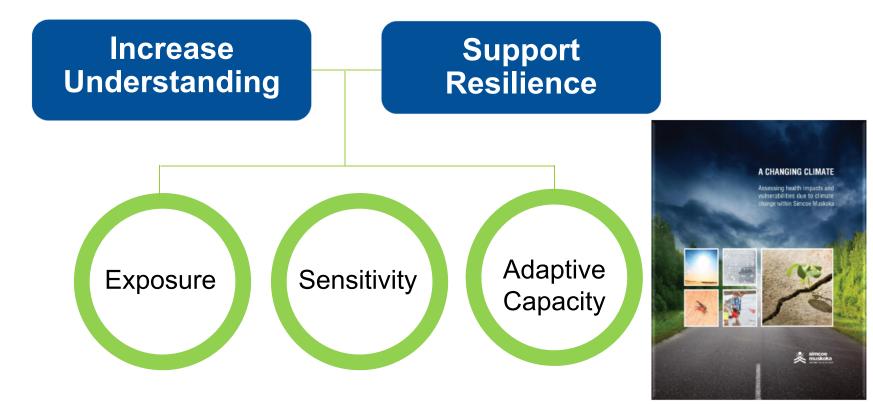


SMDHU Climate Change Story Map

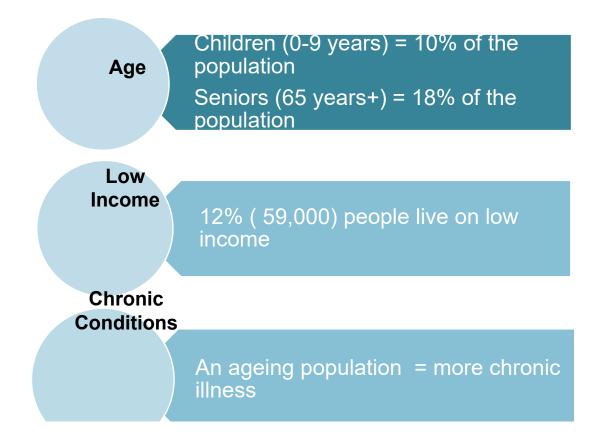




VULNERABILITY ASSESSMENT



IMPORTANT DEMOGRAPHICS



WHY DO WE NEED TO DO MORE? AND QUICKLY



Only 11 Years Left to Prevent Irreversible Damage from Climate Change, Speakers Warn during General Assembly High-Level Meeting



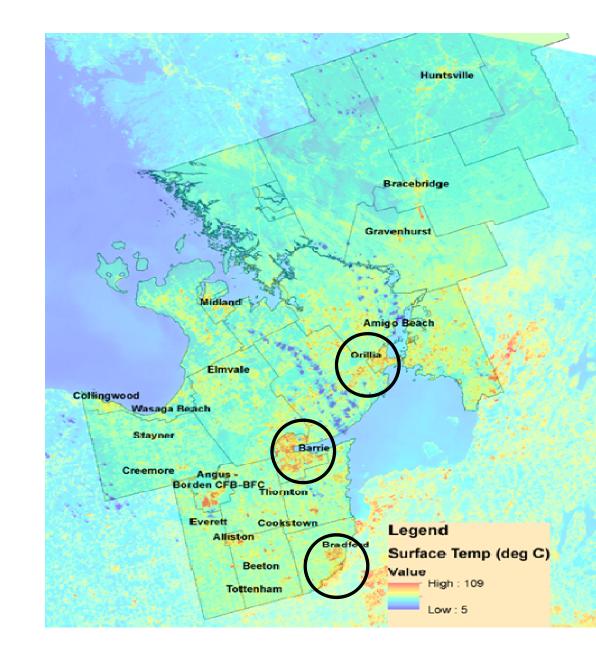
↑ 1°C (2020s) feels like Ohio
↑ 3.5°C (2050s) feels like Kentucky
↑ 5.7°C (2080s) feels like Mississippi



URBAN HEAT ISLAND

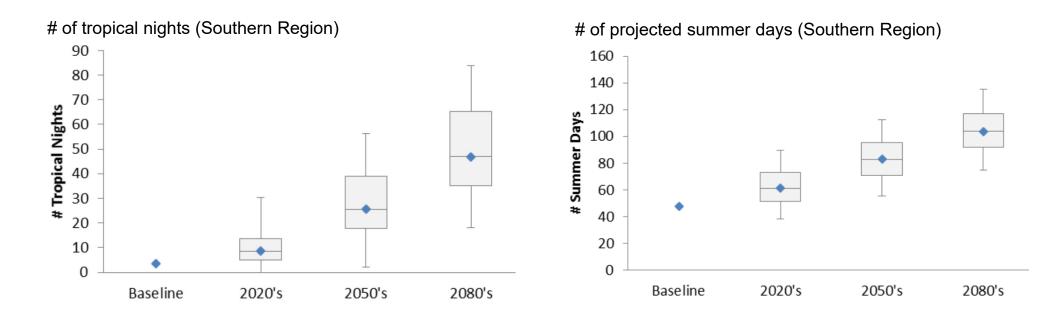
Can be reduced by

installing green roofs
enhancing urban tree canopy
decreasing black surfaces



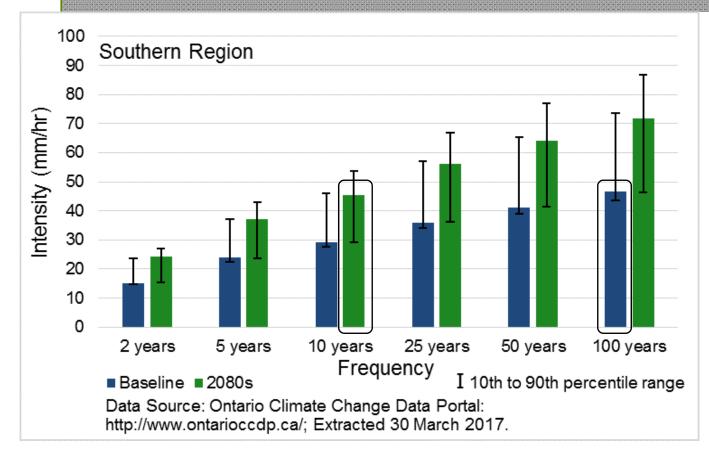


CLIMATE PROJECTIONS — EXTREME HEAT



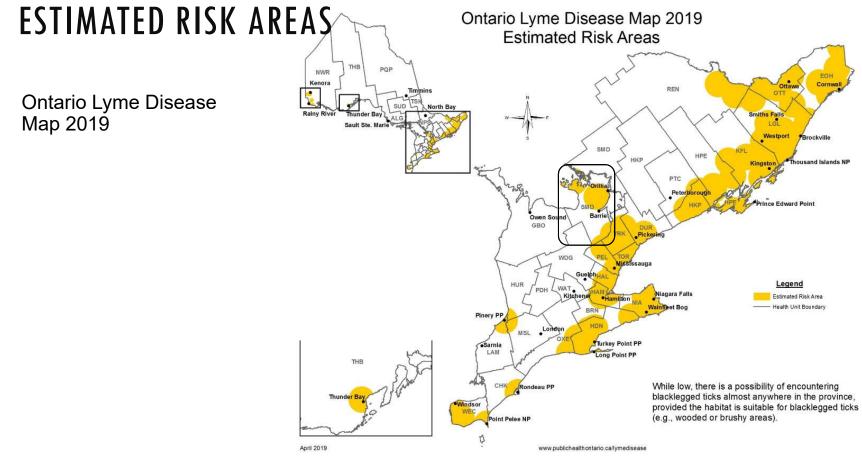


PROJECTED PRECIPITATION



- Increase in annual precipitation levels
- Decrease summer precipitation levels
- Less frequent, more extreme precipitation events

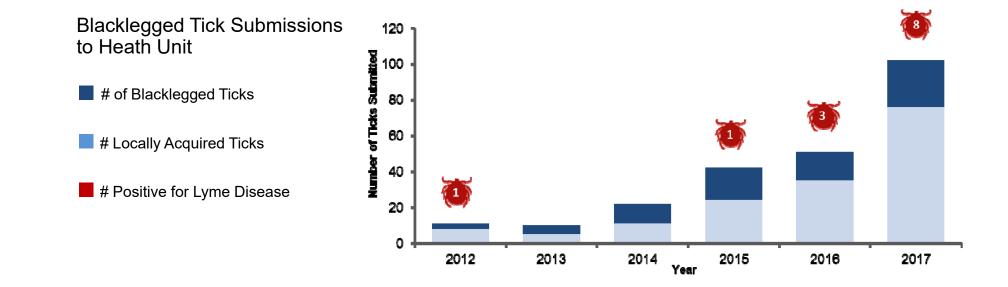




Source: Ontario Agency for Health Protection and Promotion (Public Health Ontario). Ontario Lyme disease map 2019: estimated risk areas. Toronto, ON: Queen's Printer for Ontario; 2019.



TICK SUBMISSIONS



Data Sources: Passive Tick Surveillance Spreadsheet, extracted May 8, 2018.

*Ticks are submitted to the health unit by those who have removed it from their (or another person's) body, and are aware to submit it to the health unit for testing. Submitted ticks may originate from anywhere that the submittor has traveled in recent days, and not necessarily from within Simcoe Muskoka. 66% of submitted ticks are acquired in Simcoe Muskoka

A HAPPY COINCIDENCE

Climate changemitigating design also improves health. Physical Activity and related Chronic Diseases Mental health and wellbeing Air Quality

115 (0) 4:

Road Safety

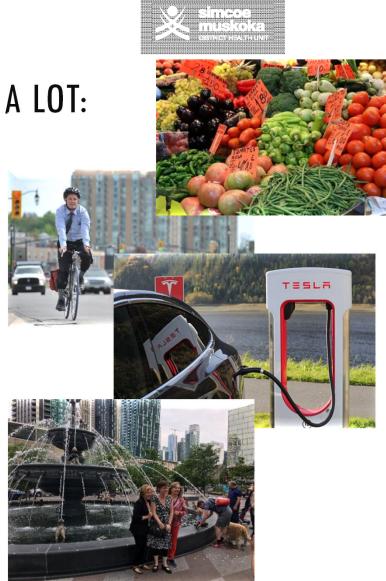
Accessibility

Food Systems/Food Access

- Social Capital & Connectivity
- Water Quality/Access

OUR COMMUNITIES ARE ALREADY DOING A LOT:

- Planned active transportation infrastructure
- Education of community and within schools
- Energy conservation
- Encouraging the creation of greenspace
- Local food programs
- •Electric vehicle charging stations
- •Water management
- Anti-idling advocacy





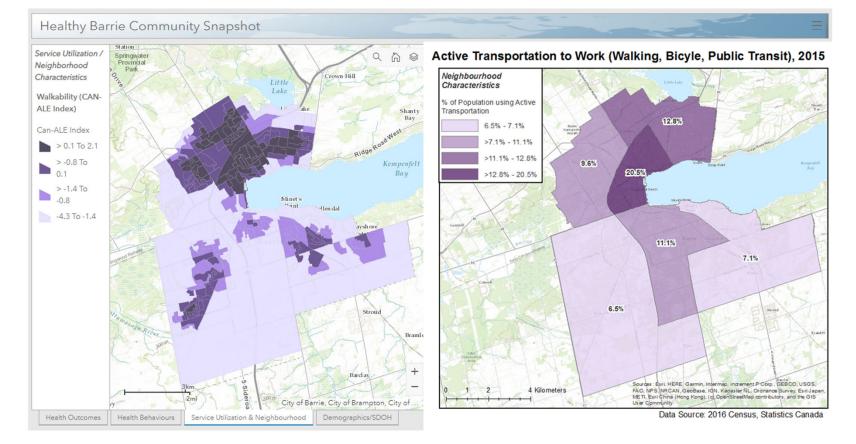
2017

LOCAL PLANS



CLIMATE CLIMATE CHANGE ADAPTATION STRATEGY

Making Connections: Walkability (Can-ALE) & Mode Share





OPPORTUNITIES FOR ACTION

Leverage our climate change and health information to support:

- climate change mitigation planning and actions in Barrie
- fast-tracking of modal shifts and active transportation initiatives

