

Cancer Care Ontario
Action Cancer Ontario

**Monitoring the cancer
prevention system in Ontario:
Prevention System Quality Index**

CPHA Conference, June 14, 2016

Addressing risk factors at the system level

- More than half of all cancers can be prevented by eliminating risk factors and exposures that are common to cancer and other chronic diseases
- Prevalence of several risk factors have shown little or no improvement over the past decade in Ontario
- System-level initiatives are most effective at reducing the prevalence of risk factors in the population:
 - Healthy public policies
 - Population-level programs

Prevention System Quality Index (PSQI)

- The PSQI monitors system-level policies and programs that can reduce the prevalence of cancer risk factors and exposures in the population
- Assesses indicators of effective policies and programs, identifies achievements and gaps and suggests opportunities for improvement.
- Supports governments, NGOs and public health units
- First PSQI report published in April 2015; second report planned for September 2016

Tobacco



Tobacco indicators

- **Tax as a percentage of tobacco retail price** in Ontario was 66.8 % in 2014. This is the second-lowest in the country and below the WHO recommendation of 75%.
- Between 2008 and 2013, according to an analysis of the designated fee code in the OHIP data, 10% of adult smokers received **physician-led smoking cessation counselling**.
- **Exposure to second-hand smoke** has decreased since 2003, but remains high in public places.

2016 PSQI: Advice from stakeholders

- PSQI Advisory Committee
- Expert panels for each risk factor or exposure:
 - Tobacco
 - Alcohol
 - Healthy eating
 - Physical activity
 - Environmental carcinogens
 - Occupational carcinogens
 - Ultraviolet radiation
 - Infectious agents

2016 PSQI: Indicators and descriptive sections

Domain	Indicator (I) or Descriptive section (D)
Tobacco	<ul style="list-style-type: none">- Tax as a percentage of tobacco retail price (I)- Exposure to second-hand smoke (I)- Long-term cessation rate (I)
Alcohol	<ul style="list-style-type: none">- Minimum retail price of alcohol sold in off-premises alcohol outlets (I)- Private off-premises alcohol outlets (I)- Alcohol outlet density (on- and off-premises) (I)- Regulation of alcohol marketing, promotion and advertising (D)- Brief interventions (D)

2016 PSQI: Indicators and descriptive sections

Domain	Indicator (I) or Descriptive section (D)
Healthy eating	<ul style="list-style-type: none">- Household food insecurity (I)- Food literacy development in secondary schools (I)- Food environment (D)
Physical activity	<ul style="list-style-type: none">- Use of active transportation to or from work (I)- Use of active transportation to or from school (I)- Health and physical education specialist teachers in schools (I)- Enrolment in health and physical education (I)

2016 PSQI: Indicators and descriptive sections

Domain	Indicator (I) or Descriptive section (D)
Environmental carcinogens	<ul style="list-style-type: none">- Radon levels in residences (I)- Fine particulate matter (PM2.5) in outdoor air pollution (I)
Occupational carcinogens	<ul style="list-style-type: none">- Industrial formaldehyde use and employment in industries using formaldehyde (I)- Industrial nickel use and employment in industries using nickel (I)- Asbestos (D)- Diesel engine exhaust (D)

2016 PSQI: Indicators and descriptive sections

Domain	Indicator (I) or Descriptive section (D)
Ultraviolet radiation	<ul style="list-style-type: none">- Number of local municipalities with a population of 100,000 or more that have strong shade policies (I)- Reducing UVR exposure among priority populations (D)- Public education (D)
Infectious agents	<ul style="list-style-type: none">- School-based human papillomavirus (HPV) vaccination coverage (I)- School-based hepatitis B vaccination coverage (I)

Contact information

- If you have any questions or comments, please contact:

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