

## DATA SOURCES TOOL

### *Identifying Potential Population Health Assessment & Surveillance Data Sources*

The **Population Health Assessment and Surveillance Protocol, 2016** provides a list of various types of population health and surveillance data to be considered as part of public health programming. The following table provides examples of the various types of surveillance data and corresponding data sources. The data sources have been categorized as publicly available (anyone can get this data) or restricted access (access is limited to roles with responsibilities for in-depth analyses and special permission is required to access the information).

Types of Surveillance Data	Population health data and information the “Board of Health shall collect or access:”	Data Sources:	
		Publicly available sources	Restricted access sources
<b>Socio-demographics</b>	Population counts by: <ul style="list-style-type: none"> <li>• Age</li> <li>• Sex</li> <li>• Education</li> <li>• Employment</li> <li>• Income</li> <li>• Housing</li> <li>• Language</li> <li>• Immigration</li> <li>• Culture</li> <li>• Indigenous identity</li> <li>• Ability/disability</li> <li>• Cost of a nutritious food basket.</li> </ul>	<ul style="list-style-type: none"> <li>• Public Health Ontario (PHO) Snapshots</li> <li>• Statistics Canada</li> <li>• MLHU Community Health Status Resource</li> </ul>	<ul style="list-style-type: none"> <li>• Population estimates and projections, Statistics Canada via IntelliHEALTH</li> <li>• Canadian Community Health Survey</li> <li>• Statistics Canada</li> </ul>
<b>Mortality</b>	<ul style="list-style-type: none"> <li>• Death by cause</li> </ul>	<ul style="list-style-type: none"> <li>• Public Health Ontario (PHO) Snapshots</li> </ul>	<ul style="list-style-type: none"> <li>• Vital Statistics Mortality Data, IntelliHEALTH</li> </ul>
<b>Morbidity</b>	<ul style="list-style-type: none"> <li>• Incidence of reportable diseases</li> <li>• Surveillance of other infectious diseases of public health importance</li> <li>• Incidence of injury as assessed by in-patient hospitalizations and emergency department visits</li> <li>• Prevalence of chronic diseases</li> </ul>	<ul style="list-style-type: none"> <li>• Public Health Ontario (PHO) Snapshots</li> <li>• PHO Reportable Disease Trends in Ontario tool</li> <li>• Statistics Canada</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Public Health Information System (iPHIS) and Cognos ReportNet (CRN)</li> <li>• Ministry of Transportation of Ontario (MTO)</li> <li>• PHO – Infectious Disease Query</li> <li>• Public Health Agency of Canada – Canadian Chronic Disease Surveillance System</li> <li>• Ontario Cancer Registry – SEER*Stat</li> </ul>

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			<ul style="list-style-type: none"> <li>Public Health Agency of Canada – Injury Surveillance Ontario</li> <li>Acute Care Enhanced Surveillance (ACES) Application</li> <li>National Ambulatory Care Reporting System, IntelliHEALTH (ED visits)</li> <li>Discharge Abstract Database, IntelliHEALTH (Hospitalizations)</li> </ul>
<b>Reproductive outcomes</b>	<ul style="list-style-type: none"> <li>Live births</li> <li>Still births</li> <li>Pregnancy</li> <li>Birth weight</li> <li>Multiple births</li> <li>Gestational age</li> <li>Congenital anomalies</li> </ul>	<ul style="list-style-type: none"> <li>Public Health Ontario (PHO) Snapshots</li> <li>Statistics Canada</li> </ul>	<ul style="list-style-type: none"> <li>Vital Statistics Live Birth Data, IntelliHEALTH</li> <li>BORN (Better Outcomes Registry &amp; Network)</li> </ul>
<b>Growth and development</b>	<i>Pending further information from the MOHLTC.</i>		
<b>Risk factors</b>	<ul style="list-style-type: none"> <li>Tobacco use</li> <li>Exposure to ultraviolet radiation</li> <li>Use of alcohol and other substances</li> <li>Work stress</li> <li>Food-handling practices</li> <li>Infection prevention and control practices of inspected premises associated with risk of infectious diseases of public health importance</li> </ul>	<ul style="list-style-type: none"> <li>Public Health Ontario (PHO) Snapshots</li> <li>Statistics Canada</li> <li>Public Health Ontario (PHO) Social Determinants of Health Maps</li> <li>Tobacco Informatics Monitoring System (TIMS)</li> <li>Ontario Student Drug Use and Health Survey (OSDUHS)</li> <li>PHO Interactive Opioid Tool</li> </ul>	<ul style="list-style-type: none"> <li>Databases Internal to MLHU: Food Handler Certification, Vector Borne Disease Surveillance, Rabies Investigations, Extreme Temperature Alerts</li> <li>Ontario Ministry of the Environment (MOE)</li> <li>Rapid Risk Factor Surveillance System (RRFSS)</li> <li>Canadian Community Health Survey (CCHS)</li> </ul>
<b>Preventative health practices</b>	<ul style="list-style-type: none"> <li>Immunization</li> <li>Oral health</li> <li>Physical activity</li> <li>Healthy eating</li> <li>Healthy weights</li> <li>Road and off-road safety</li> <li>Cancer screening</li> <li>Sexual practices</li> <li>Breastfeeding</li> </ul>	<ul style="list-style-type: none"> <li>MLHU Statistics &amp; Reports section of healthunit.com</li> <li>Public Health Ontario (PHO) Snapshots</li> <li>Statistics Canada</li> </ul>	<ul style="list-style-type: none"> <li>Panorama Immunization module</li> <li>Rapid Risk Factor Surveillance System (RRFSS)</li> <li>Canadian Community Health Survey (CCHS)</li> <li>Oral Health Information System (OHISS)</li> </ul>

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	<ul style="list-style-type: none"> <li>• Preconception health</li> <li>• Healthy pregnancies</li> <li>• Preparation for parenting</li> <li>• Positive parenting</li> <li>• Healthy family dynamics</li> </ul>		<ul style="list-style-type: none"> <li>• BORN (Better Outcomes Registry &amp; Network)</li> <li>• Middlesex-London Infant Feeding Surveillance System (MLIFSS)</li> <li>• Integrated Services for Children Information System (ISCIS)</li> </ul>
<b>Physical environment factors</b>		<ul style="list-style-type: none"> <li>• Public Health Ontario (PHO) Water Contaminants map</li> </ul>	

<b>Other relevant data and information</b>	<p>Non Population Health data indicators:</p> <ul style="list-style-type: none"> <li>• Attitudes</li> <li>• Awareness</li> <li>• Knowledge</li> <li>• Public health policies</li> <li>• Programs and services</li> <li>• Legal &amp; political environment</li> <li>• Stakeholder perspectives</li> <li>• Program evaluation</li> </ul>	<ul style="list-style-type: none"> <li>• This data can be gathered within the Community Assessment step in the <i>Situational Assessment</i> stage guide from the Planning &amp; Evaluation Framework</li> <li>• Public Health Ontario (PHO) Municipal Alcohol Policies</li> </ul>
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