

Alignment of the APHEO Core Indicators with the Ontario Public Health Standards

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Work Group
in Collaboration with Public Health Ontario

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Introduction

This document allows users to identify the APHEO Core Indicators related to specific Population Health Assessment and Surveillance Requirements in the [Ontario Public Health Standards \(OPHS\)](#), as well as its supporting [Population Health and Assessment and Surveillance \(PHAS\) Protocol](#). The OPHS establish requirements for fundamental public health programs and services carried out by boards of health, which include assessment and surveillance, health promotion and policy development, disease prevention and health protection. The OPHS consist of one Foundational Standard and 13 Program Standards that articulate broad societal goals resulting from the activities undertaken by boards of health and many others, including community partners, non-governmental organizations, and governmental bodies. The Foundational Standard identifies that evidence is the foundation of effective public health practice. As such, boards of health are required to assess the current health status, health behaviours and needs of the local population, monitor trends in population health and communicate findings to the public and community partners. The PHAS Protocol provides direction on population health assessment and surveillance activities defined in the OPHS to enable local public health units to effectively and efficiently identify and address current and evolving health issues. Although existing Core Indicators address many of the OPHS requirements and new indicators are in development, indicator and data gaps still exist (please refer to *Data Gaps in Public Health Indicators in Ontario*).

In this document, each OPHS program standard was presented in a table. The columns of the table represent assessment and surveillance requirements, or in some cases the health promotion and policy development or health protection requirements (e.g. work stress) within each program standard. Each Core Indicator listed along the left-hand side of the table functions as a hyperlink, allowing the user to quickly visit the APHEO webpage for details on the specific indicator(s). Indicators under development in March 2012, expected to be released shortly, were also included. The primary data source, (and secondary data sources when available), that may be used to fulfill an assessment and surveillance requirement within the program standard were listed in the tables. Currently, no Emergency Preparedness Core Indicators exist and the Emergency Preparedness Program Standard has been excluded from the tables.

This document will be updated to include new Core Indicators and data sources as they become available. Please refer to *Data Gaps in Public Health Indicators in Ontario* document on the APHEO website for more detailed information pertaining to data gaps related to the APHEO Core Indicators.

Chronic Diseases and Injuries Program Standards

APHEO Core Indicators	Chronic Disease Prevention Standards								
	Healthy Eating	Healthy Weights	Comprehensive Tobacco Control	Physical Activity	Built Environment	Alcohol Use	Work Stress	Exposure to UV radiation	Food Affordability
Vegetable and Fruit Consumption	CCHS, RRFSS*§								
Adult BMI		CCHS, RRFSS*§							
Adolescent BMI		CCHS							
Smoking Status			CCHS, RRFSS*§						
Smoke-free Homes			CCHS, RRFSS*§						
Non-smoker Second-hand Smoke Exposure			CCHS, RRFSS*§						
Minors' Access to Tobacco			PHU, RRFSS*§						
Smoking Cessation			CCHS, RRFSS*§						
Smoking Attributable Mortality			CCHS, RRFSS*§, VS-deaths						
Smoking During Pregnancy			BORN, CCHS						
Leisure-time Physical Activity				CCHS					
Screen Time				CCHS					
Population Density				Census					
Underage Alcohol Drinking						CCHS			
Drinking in Excess of the Low-Risk Drinking Guidelines						CCHS, RRFSS*§			
Heavy Drinking Episodes						CCHS			
Self-perceived Work Stress							CCHS		
Ultraviolet Radiation Exposure								RRFSS [§]	
Food Insecurity									CCHS, RRFSS*§
Cost of a Nutritious Food Basket									PHU
Indicators In Development or Under Consideration									
Job Density				Population Estimates, Census	Population Estimates, Census				
Proximity to Community Focal Point				ORN, RNF†, SLRN†	ORN, RNF†, SLRN†				
Land Use Mix				Parcel Data	Parcel Data				

Data Sources

BORN - Better Outcomes Registry & Network
 CCHS - Canadian Community Health Survey
 Census - Canadian Census
 PHU - Collected by individual Public Health Units

ORN - Ontario Road Network, Ministry of Natural Resources
 Parcel Data - Municipal Property Assessment Corporation
 Population Estimates - Statistics Canada

RNF – Road Network File, Statistics Canada
 RRFSS - Rapid Risk Factor Surveillance System
 SLRN - Single Line Road Network – Local government agencies
 VS - Vital Statistics

* Secondary or alternative data source
 § Data may not be available for all health units
 † Access to data source is under investigation

Chronic Diseases and Injuries Program Standards (Continued)

APHEO Core Indicators	Prevention of Injury and Substance Misuse Standards			
	Alcohol and Other Substances (Alcohol misuse, drinking and driving, illicit substance use)	Falls Across the Lifespan (Falls in children, youth, adults and older adults)	Road and Off-road Safety (Motorized vehicles, pedestrians, cyclists, drivers and occupants)	Other Areas of Public Health Importance for the Prevention of Injuries (Includes violence, suicide, burns, drowning, farm injuries, poisonings, scalds, suffocation, sport and recreation, and playground safety)
Underage Alcohol Drinking	CCHS			
Drinking in Excess of the Low-Risk Drinking Guidelines	CCHS, RRFSS*§			
Heavy Drinking Episodes	CCHS, RRFSS*§			
Drinking and Driving Prevalence	CCHS, RRFSS*§		CCHS, RRFSS*§	
Adolescent Drug Use	OSDUHS§			
Alcohol-related Injury and Mortality from Motor Vehicle Traffic Collisions	MTO		MTO	
Injury-Related Mortality	VS-deaths	VS-deaths	VS-deaths	VS-deaths
Injury-Related Hospitalization	Hospitalization	Hospitalization	Hospitalization	Hospitalization, CCHS*
Fall-Related Mortality		VS-deaths		
Fall-Related Hospitalization		Hospitalization, CCHS*		
Seat Belt Use			RRFSS§	
Motor Vehicle Traffic Collisions Injuries			MTO	
Suicide Mortality				VS-deaths
Attempted Self-Harm-Related Hospitalization				Hospitalization
Self-reported Suicidal Attempts				CCHS
Suicidal Thoughts				CCHS

Data Sources

CCHS- Canadian Community Health Survey

Hospitalization - Discharge Abstract Database (DAD)

MTO - Ministry of Transportation Collision Database

NACRS-National Ambulatory Care Reporting System

OSDUHS - Ontario Student Drug Use and Health Survey

NACRS - National Ambulatory Care Reporting System

RRFSS- Rapid Risk Factor Surveillance System

VS - Vital Statistics

* Secondary or alternative data source

§ Data may not be available for all health units

Chronic Diseases and Injuries Program Standards (Continued)

Prevention of Injury and Substance Misuse Standards

APHEO Core Indicators	Alcohol and Other Substances (Alcohol misuse, drinking and driving, illicit substance use)	Falls Across the Lifespan (falls in children, youth, adults and older adults)	Road and Off-road Safety (motorized vehicles, pedestrians, cyclists, drivers and occupants)	Other Areas of Public Health Importance for the Prevention of Injuries (Includes violence, suicide, burns, drowning, farm injuries, poisonings, scalds, suffocation, sport and recreation, and playground safety)
Indicators In Development or Under Consideration				
Injury-Related Emergency Department Visits	NACRS	NACRS	NACRS	NACRS, CCHS*
Fall-Related Emergency Department Visits	NACRS	NACRS, CCHS*		NACRS
Neurotrauma-Related Hospitalization	Hospitalization	Hospitalization	Hospitalization	Hospitalization
Cellphone Use While Driving			CCHS, RRFSS* [§]	
Car and Booster Seat Safety			RRFSS [§]	
Self-Reported Injury		CCHS		CCHS
Illicit Substance Use	CCHS			

Data Sources

CCHS- Canadian Community Health Survey

NACRS-National Ambulatory Care Reporting System

RRFSS- Rapid Risk Factor Surveillance System

Hospitalization - Discharge Abstract Database (DAD)

*** Secondary or alternative data source**

§ Data may not be available for all health units

APHEO Core Indicators	Family Health Program Standards			
	Reproductive Health Standards			
	Preconception Health ¹	Healthy Pregnancies	Reproductive Health Outcomes	Preparation for Parenting
Assumptions	Can apply to males or females	Applies to pregnant women only	Related to the health of the baby and mother postpartum	Applies to both males & females who are pregnant or have children
<u>Folic Acid Supplementation</u>	CCHS, RRFSS*§			
<u>Smoking During Pregnancy</u>		BORN, CCHS		
<u>Preterm Births</u>			VS-Live Births, Hospitalization, BORN	
<u>Multiple Births</u>			VS-Live Births, Hospitalization, BORN	
<u>Birth Weights</u>			VS-Live Births, Hospitalization, BORN	
<u>Congenital Anomalies</u>			CCASS, BORN	
<u>Congenital Infections</u>			iPHIS	
<u>Perinatal Mortality and Stillbirths</u>			VS-Live Births, VS-Stillbirths, VS-Deaths, Hospitalization, BORN,	
<u>Age of Parent at Infant's Birth</u>			VS-Live Births, Hospitalization, BORN	
<u>Crude Birth Rate</u>			VS-Live Births, Hospitalization, BORN	
<u>Fertility Rates</u>			VS-Live Births, Hospitalization, BORN	
<u>Total Fertility Rate</u>			VS-Live Births, Hospitalization, BORN	
<u>Pregnancy Rate</u>			VS-Live Births, VS-Stillbirths, Hospitalization, BORN, Medical Services	
<u>Neonatal and Infant Mortality</u>			VS-Deaths	
Indicators In Development or Under Consideration				
<u>Intention to Breastfeed</u>				BORN
<u>Maternal Obesity</u>		BORN		
<u>Maternal Weight Gain</u>		BORN		
Data Sources				
BORN - Better Outcomes Registry & Network		Hospitalization - Discharge abstract database (DAD)	RRFSS - Rapid Risk Factor Surveillance System	
CCASS - Canadian Congenital Anomalies Surveillance System		iPHIS - Integrated Public Health Information System	VS - Vital Statistics	
CCHS - Canadian Community Health Survey				
* Secondary or alternative data source				
§ Data may not be available for all health units				

1. In order to achieve a state of optimal maternal health, minimize risk of adverse birth outcomes and promote healthy child development, families should be encouraged to reflect on pregnancy and parenting issues during the preconception period.

Family Health Program Standards (Continued)

APHEO Core Indicators	Child ¹ Health Standards					
	Positive Parenting ²	Breastfeeding	Healthy Family Dynamics	Healthy Eating, Healthy Weights and Physical Activity	Growth and Development	Oral Health
Breastfeeding Initiation		CCHS, RRFSS [§] , BORN				
Breastfeeding Duration		CCHS, RRFSS [§]				
Breastfeeding Exclusivity		CCHS, BORN				
Single Parent Families			Census			
Pregnancy Rate (Teen)			VS-Live Births, VS-Stillbirths, Hospitalization, BORN, Medical Services			
Vegetable and Fruit Consumption				CCHS, RRFSS* [§]		
Adolescent BMI				CCHS		
Leisure-Time Physical Activity				CCHS		
Screen Time				CCHS		
Deft/DMFT Index						OHISS†
Underage Alcohol Drinking			CCHS			
Adolescent Drug Use			OSDUHS [§]			
Caries-free Children						OHISS†
Children with Dental Treatment Needs						OHISS†
Fluorosis Index						OHISS†
Early Childhood Tooth Decay						OHISS†
Data Sources						
BORN - Better Outcomes Registry & Network		OSDUHS - Ontario Student Drug Use and Health Survey		RRFSS – Rapid Risk Factor Surveillance System		
CCHS - Canadian Community Health Survey		OHISS - Oral Health Information Support System		VS - Vital Statistics		
Census - Canadian Census		(formerly CINOT - Children in Need of Treatment and		OHS-		
Hospitalization - Discharge abstract database (DAD)		Oral Health Screening)				
* Secondary or alternative data source						
§ Data may not be available for all health units						
† Access to data source is under investigation						

¹ Child is defined as anyone less than 18 years of age.

² Positive parenting is defined as positive/warm and consistent parenting interactions with the child (e.g., parents frequently talk, play, praise, laugh and do special things together with their children, have clear and consistent expectations and use non-punitive consequences with regard to child behaviour)

Infectious Diseases Program Standards

APHEO Core Indicators	<u>Sexual Health, STIs, and Blood-borne Infections (including HIV) Standard</u>					<u>Vaccine Preventable Diseases Standard</u>		
	STIs	Blood-borne infections	Reproductive outcomes	Risk behaviours	Distribution of harm reduction materials/equipment	Child Immunization Status	Immunization coverage rates	Other indicators supporting this standard
Infectious Disease Incidence	iPHIS	iPHIS						
Infectious Disease Mortality	VS-Deaths	VS-Deaths						
Cancer Incidence (Cervical)	CCO							
Cancer Mortality (Cervical)	CCO, VS-Deaths*							
Congenital Infections			iPHIS					
Pelvic Inflammatory Disease Incidence			NACRS, Hospitalization					
Frequency of Condom Use Among Those at Risk for STDs				CCHS				
Condom Use the Last Time Among Those at Risk for STDs				CCHS				
Youth Sexual Activity				CCHS				
Age of Sexual Debut				CCHS				
Childhood Vaccination Coverage						IRIS, PHU		
Influenza Vaccination Rates Among Staff at Long-Term Care Facilities and Hospitals							PHU, RRFSS* [§]	
Influenza and Pneumococcal Vaccination Rates Among Long-Term Care Facility Residents							PHU	
Vaccine Wastage								PHU
Adverse Events Following Immunization								iPHIS
Influenza Vaccination								CCHS, RRFSS* [§]
Adult Pneumococcal Vaccination								RRFSS [§]

Data Sources

CCHS - Canadian Community Health Survey

CCO - Cancer Care Ontario

Hospitalization - Discharge Abstract Database (DAD)

iPHIS- Integrated Public Health Information System

IRIS - Immunization Records Information System

NACRS - National Ambulatory Care Reporting System

PHU - Collected by individual Public Health Units

RRFSS - Rapid Risk Factor Surveillance System

VS - Vital Statistics

* Secondary or alternative data source

§ Data may not be available for all health units

Infectious Diseases Program Standards (Continued)

APHEO Core Indicators	Infectious Diseases/ Rabies/ Tuberculosis Prevention and Control Standards				
	<u>Infectious Diseases of Public Health Importance (morbidity and mortality)</u>	Associated Risk Factors	<u>Infection Prevention and Control Practices of Inspected Premises</u>	<u>Rabies</u>	<u>Tuberculosis</u>
<u>Infectious Disease Incidence</u>	iPHIS			iPHIS	iPHIS
<u>Infectious Disease Mortality</u>	VS-Deaths				
<u>Pelvic Inflammatory Disease Incidence</u>	Hospitalization, NACRS				
<u>Rabies</u>	MNR, iPHIS			MNR, iPHIS	
<u>Cancer Incidence (Cervical)</u>	CCO				
<u>Cancer Mortality (Cervical)</u>	CCO, VS-Deaths*				
<u>Number of Sexual Partners</u>		CCHS			
<u>Frequency of Condom Use Among Those at Risk for STDs</u>		CCHS			
<u>Condom Use the Last Time Among Those at Risk for STDs</u>		CCHS			
<u>Youth Sexual Activity</u>		CCHS			
<u>Age of Sexual Debut</u>		CCHS			
<u>Influenza and Pneumococcal Vaccination Rates Among Long-Term Care Facility Residents</u>			PHU		
<u>Influenza Vaccination Rates Among Staff at Long-Term Care Facilities and Hospitals</u>			PHU, RRFSS*§		

Data Sources

CCHS - Canadian Community Health Survey	iPHIS - Integrated Public Health Information System	PHU - Collected by individual Public Health Units
CCO - Cancer Care Ontario	MNR - Ontario Ministry of Natural Resources	RRFSS - Rapid Risk Factor Surveillance System
Hospitalization - Discharge Abstract Database (DAD)	NACRS - National Ambulatory Care Reporting System	VS - Vital Statistics

* Secondary or alternative data source

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Environmental Health Program Standards

APHEO Core Indicators	<u>Food Safety Standard</u>	<u>Safe Water Standard</u>		<u>Health Hazard Prevention and Management Standard</u>
	Food-borne illnesses and associated risk factors	Drinking water illnesses and associated risk factors	Beach water illnesses and associated risk factors	Community Environmental Health Status and Risk Factors
<u>Infectious Disease Incidence</u>	iPHIS	iPHIS	iPHIS	
<u>Infectious Disease Mortality</u>	VS-Deaths	VS-Deaths	VS-Deaths	
<u>Municipal Drinking Water Quality</u>		MEO		MEO
<u>Private Well Water Testing</u>		RRFSS [§]		RRFSS [§]
<u>Drinking Water Advisories</u>		PHU		PHU
<u>Posted Bathing Beaches</u>			PHU	PHU
<u>Data Sources:</u>				
iPHIS - Integrated Public Health Information System MEO - The Ontario Ministry of the Environment		PHU - Collected by individual Public Health Units RRFSS - Rapid Risk Factor Surveillance System		VS - Vital Statistics
§ Data may not be available for all health units				

Environmental Health Program Standards (Continued)

APHEO Core Indicators	Health Hazard Prevention and Management Standard								
	Community Environmental Health Status and Risk Factors	Risk Factors	Indoor Air Quality	Outdoor Air Quality	Extreme Weather	Climate Change	Radiation Exposure	Built Environment	Disease Vector and Host
Rabies									MNR, iPHIS
Infectious Disease Incidence									iPHIS
Infectious Disease Mortality									VS-Deaths
Air Quality	MEO			MEO					
Population Density		Census							
Smoke-free Homes			CCHS, RRFSS* [§]						
Non-smoker Second-hand Smoke Exposure			CCHS, RRFSS* [§]						

Data Sources:

CCHS - Canadian Community Health Survey

Census - Canadian Census

iPHIS - Integrated Public Health Information System

MEO - The Ontario Ministry of the Environment

MNR - Ontario Ministry of Natural Resources

RRFSS - Rapid Risk Factor Surveillance System

VS - Vital Statistics

*** Secondary or alternative data source**

§ Data may not be available for all health units

Population Health Assessment and Surveillance Protocol

APHEO Core Indicators	Population Health Data: Socio-demographics										
	Age and Sex	Education	Employment	Income	Housing	Language	Immigration	Culture	Ability/ Disability	Cost of a Nutritional Food Basket	Other
<u>Population by Age and Sex</u>	Population Estimates										
<u>Dependency Ratios</u>	Population Estimates										
<u>Education Level</u>		Census, CCHS*									
<u>Unemployment Rate</u>			Census								
<u>Labour Force Participation Rate</u>			Census								
<u>Low Income Rate</u>				Census							
<u>Income Inequality</u>				Census							
<u>Housing Affordability</u>					Census						
<u>Living Arrangements for Seniors</u>					Census						
<u>Mother Tongue</u>						Census, CCHS*, RRFSS* [§]					
<u>Home Language</u>						Census, CCHS*, RRFSS* [§]					
<u>Percent Who Cannot Speak English or French</u>						Census					
<u>Immigrant Population</u>							Census				
<u>Ethnic/ Cultural Origin</u>								Census			
<u>Aboriginal Population</u>								Census			

Data Sources		
CCHS - Canadian Community Health Survey	Population Projections - Ministry of Finance	Population Estimates – Statistics Canada
Census - Canadian Census	PHU - Collected by individual Public Health Units	
	RRFSS - Rapid Risk Factor Surveillance System	

* Secondary or alternative data source
 § Data may not be available for all health units

Population Health Assessment and Surveillance Protocol

APHEO Core Indicators	Population Health Data: Socio-demographics										
	Age and Sex	Education	Employment	Income	Housing	Language	Immigration	Culture	Ability/ Disability	Cost of a Nutritional Food Basket	Other
<u>Self-Rated Health</u>									CCHS		
<u>Long-term Disability and Activity Restriction</u>									CCHS		
<u>Need for Assistance with Activities of Daily Living</u>									CCHS		
<u>Cost of a Nutritious Food Basket</u>										PHU	
<u>Population Growth</u>											Population Estimates
<u>Projected Population Growth</u>											Population Projections
<u>Single Parent Families</u>											Census
<u>Commuting Population</u>											Census
<u>Crime Rate</u>											CCJS [§]
<u>Urban and Rural Population</u>											Census

Data Sources
 CCHS - Canadian Community Health Survey
 CCJS - Canadian Centre for Justice Statistics
 Census - Canadian Census

Population Projections - Ministry of Finance

Population Estimates – Statistics Canada

§ Data may not be available for all health units

APHEO Core Indicators	Population Health Assessment and Surveillance Protocol	
	Population Health Data: Morbidity and Mortality	
	Mortality	Morbidity
All-cause Mortality	VS- Deaths	
Potential Years of Life Lost	VS-Deaths	
Life Expectancy	VS-Deaths	
Health Expectancy	VS-Deaths, CCHS*	VS-Deaths, CCHS*
Chronic Disease Mortality	VS-Deaths	
Cancer Mortality	CCO, VS-Deaths*	
Child and Adolescent Mortality	VS-Deaths	
Injury-Related Mortality	VS-Deaths	
Fall-Related Mortality	VS-Deaths	
Alcohol-Related Injury and Mortality from Motor Vehicle Traffic Collisions	MTO	
Smoking Attributable Mortality	CCHS, RRFSS*, VS-Deaths	
Perinatal Mortality and Stillbirth	VS-Stillbirths, VS-Births, Hospitalization, BORN, VS-Deaths	
Neonatal and Infant Mortality	VS-Deaths	
Suicide Mortality	VS-Deaths	
Infectious Disease Mortality	VS-Deaths	
All Cause Hospitalization		Hospitalization
Chronic Disease Hospitalization		Hospitalization
Chronic Health Problems Prevalence		CCHS
Cancer Incidence		CCO
Child and Adolescent Hospitalization		Hospitalization
Infectious Disease Incidence		iPHIS
Injury Hospitalization		Hospitalization
Depression Prevalence		CCHS
BMI- obesity, overweight		CCHS, RRFSS*
Caries-free Children		OHISS†
Fluorosis Index		OHISS†
Data Sources		
BORN - Better Outcomes Registry & Network	Hospitalization - Discharge Abstract Database (DAD)	OHISS - Oral Health Information Support System
CCHS - Canadian Community Health Survey	iPHIS - Integrated Public Health Information System	RRFSS - Rapid Risk Factor Surveillance System
CCO - Cancer Care Ontario	MTO - Ministry of Transportation Collision Database	VS - Vital Statistics
* Secondary or alternative data source		
†Access to data source is currently under investigation		

APHEO Core Indicators	Population Health Assessment and Surveillance Protocol	
	Population Health Data	
	Risk Factors	Preventive Health Practices
Depression Prevalence	CCHS	
Self-Perceived Life Stress	CCHS	
Self-Perceived Work Stress	CCHS	
Smoking Status	CCHS, RRFSS*§	
Ultraviolet Radiation Exposure	RRFSS§	
Underage Alcohol Drinking	CCHS	
Drinking in Excess of the Low-Risk Drinking Guidelines	CCHS, RRFSS*§	
Heavy Drinking Episodes	CCHS	
Adolescent Drug Use	OSDUHS§	
Vegetable and Fruit Consumption	CCHS, RRFSS*§	
Adolescent BMI	CCHS	
Adult BMI	CCHS, RRFSS*§	
Leisure-Time Physical Activity	CCHS	
OBSP Mammography		OBSP†
Screening Mammography		CCHS, RRFSS*§
Cervical Cancer Screening		CCHS, RRFSS*§
Colorectal Cancer Screening		CCHS, RRFSS*§
Visits to Dentist in Past Year		CCHS, RRFSS*§
Adult Pneumococcal Vaccination		RRFSS§
Childhood Vaccination Coverage		IRIS, PHU
Influenza Vaccination Rates Among Staff at Long-Term Care Facilities and Hospitals		PHU
Influenza and pneumococcal Vaccination Rates Among Long-Term Care Facility Residents		PHU
Influenza Vaccination		CCHS, RRFSS*§
Frequency of Condom Use Among Those at Risk for STDs		CCHS
Condom Use the Last Time Among Those at Risk for STDs		CCHS
Breastfeeding Initiation and Duration		CCHS, RRFSS*§
Folic Acid Supplementation		CCHS, RRFSS*§
Seat Belt Use		RRFSS§
Data Sources CCHS - Canadian Community Health Survey OSDUHS - Ontario Student Drug Use and Health Survey RRFSS - Rapid Risk Factor Surveillance System IRIS - Immunization Records Information System PHU - Collected by individual Public Health Units OBSP - Ontario Breast Screening Program		
* Secondary or alternative data source § Data may not be available for all health units † Access to data source is currently under investigation		

APHEO Core Indicators	<u>Population Health Assessment and Surveillance Protocol</u>			
	Population Health Data			
	Reproductive Outcomes	Growth and Development	Physical Environment Factors	Other Relevant Data
<u>Crude Birth Rate</u>	VS-Live Births, Hospitalization, BORN			
<u>Fertility Rates</u>	VS-Live Births, Hospitalization, BORN			
<u>Total Fertility Rate</u>	VS-Live Births, Hospitalization, BORN			
<u>Pregnancy Rate</u>	VS-Live Births, VS-Stillbirths, Hospitalization, BORN, Medical Services			
<u>Preterm Births</u>	VS-Live Births, Hospitalization, BORN			
<u>Multiple Births</u>	VS-Live Births, Hospitalization, BORN			
<u>Birth Weights</u>	VS-Live Births, Hospitalization, BORN			
<u>Congenital Anomalies</u>	CCASS, BORN			
<u>Rate of Days of Hospitalization</u>				Hospitalization
<u>Average Length of Hospital Stay</u>				Hospitalization
<u>Contacts with Medical Doctors</u>				CCHS
<u>Regular Medical Doctor</u>				CCHS
Data Sources				
BORN - Better Outcomes Registry & Network		Hospitalization - Discharge Abstract Database (DAD)		
CCASS - Canadian Congenital Anomalies Surveillance System		VS - Vital Statistics		
CCHS - Canadian Community Health Survey				