

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

Prepared by the Association of Public Health
Epidemiologists in Ontario (APHEO) Core
Indicators 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 and expected to be released shortly, or indicators under consideration 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 work is an update of a document of the same name originally released on July 27, 2012 and includes new Core Indicators and data sources. Updates are summarized in the “Changes Made” table at the end of the document. 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					
Land Use Mix				Parcel Data	Parcel Data				
Proximity to Community Focal Point				ORN, RNF†, SLRN†	ORN, RNF†, SLRN†				
Underage Alcohol Drinking						CCHS			
Drinking in Excess of the Low-Risk Alcohol 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

Data Sources

BORN - Better Outcomes Registry & Network

CCHS - Canadian Community Health Survey

* CDP - Community Data Program

Census - Canadian Census

ORN - Ontario Road Network, Ministry of Natural Resources

Parcel Data - Municipal Property Assessment Corporation

Population Estimates - Statistics Canada

PHU - Collected by individual Public Health Units

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

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
Indicators In Development or Under Consideration									
Outlet Density	PHU, ORN			PHU, ORN	PHU, ORN	PHU, ORN			
Job Density				Population Estimates, Census, CDP§	Population Estimates, Census, CDP§				
Traffic Calming Measures				ORN, RNF†, SLRN†	ORN, RNF†, SLRN†				
Network Characteristics				ORN, RNF* local municipal datasets	ORN, RNF* local municipal datasets				
Traffic Counts				local municipal datasets ORN, RNF†, SLRN†	local municipal datasets ORN, RNF†, SLRN†				
Traffic Speed				local municipal datasets ORN, RNF†, SLRN†	local municipal datasets ORN, RNF†, SLRN†				
Data Sources BORN - Better Outcomes Registry & Network CCHS - Canadian Community Health Survey * CDP - Community Data Program Census - Canadian Census ORN - Ontario Road Network, Ministry of Natural Resources Parcel Data - Municipal Property Assessment Corporation Population Estimates - Statistics Canada PHU - Collected by individual Public Health Units RNF - Road Network File, Statistics Canada RRFS - 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)
Illicit Drug Use	CCHS			
Underage Alcohol Drinking	CCHS			
Drinking in Excess of the Low-risk Alcohol Drinking Guidelines	CCHS, RRFSS* [§]			
Heavy Drinking Episodes	CCHS, RRFSS* [§]			
Drinking and Driving Prevalence	CCHS, RRFSS* [§]		CCHS, RRFSS* [§]	
Alcohol-related Injury and Mortality from Motor Vehicle Traffic Collisions	MTO		MTO	
Adolescent Drug Use	OSDUHS [§]			
Neurotrauma-related Hospitalization	NACRS	NACRS	NACRS	NACRS
Injury-related Mortality	VS-deaths	VS-deaths	VS-deaths	VS-deaths
Injury-related Hospitalization	NACRS	NACRS	NACRS	NACRS CCHS*
Injury-related Emergency Department Visits	NACRS	NACRS	NACRS	NACRS, CCHS*
Fall-related Emergency Department Visits	NACRS	NACRS CCHS*		NACRS
Fall-related Hospitalization		NACRS CCHS*		
Fall-related Mortality		VS-deaths		
Self-reported Injury		CCHS		CCHS
Cellphone Use and Text Messaging While Driving			CCHS, RRFSS* [§]	
Seat Belt Use			RRFSS [§]	
Child Car Restraint Use			RRFSS [§]	

Data Sources

CCHS - Canadian Community Health Survey
MTO - Ministry of Transportation Collision Database

NACRS - National Ambulatory Care Reporting System
OSDUHS - Ontario Student Drug Use and Health Survey

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)

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)
Motor Vehicle Traffic Collisions Injuries			MTO	
Suicide Mortality				VS-deaths
Intentional Self-harm-related Hospitalization				NACRS
Suicidal Thoughts and Attempts				CCHS
Indicators In Development or Under Consideration				
Alcohol-attributable hospitalizations for chronic disease and injury	NACRS			
Alcohol-attributable deaths for chronic disease and injury	VS-deaths			
Data Sources				
CCHS - Canadian Community Health Survey MTO - Ministry of Transportation Collision Database		NACRS - National Ambulatory Care Reporting System OSDUHS - Ontario Student Drug Use and Health Survey		RRFSS - Rapid Risk Factor Surveillance System VS - Vital Statistics
* Secondary or alternative data source § Data may not be available for all health units				

Family Health Program Standards

APHEO Core Indicators	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
Folic Acid Supplementation	CCHS, RRFSS* [§]			
Smoking During Pregnancy		BORN, CCHS		
Preterm Birth Rate			VS-Live Births, Hospitalization, BORN	
Multiple Birth Rate			VS-Live Births, Hospitalization, BORN	
Birth Weights			VS-Live Births, Hospitalization, BORN	
Congenital Anomalies			CCASS [§] , BORN	
Congenital Infections			iPHIS	
Perinatal Mortality and Stillbirth Rates			VS-Live Births, VS-Stillbirths, VS-Deaths, Hospitalization, BORN,	
Age of Parent at Infant's Birth			VS-Live Births, Hospitalization, BORN	
Crude Birth Rate			VS-Live Births, Hospitalization, BORN	
Fertility Rates			VS-Live Births, Hospitalization, BORN	
Total Fertility Rate			VS-Live Births, Hospitalization, BORN	
Pregnancy Rate			VS-Live Births, VS-Stillbirths, Hospitalization, BORN, Medical Services	
Neonatal and Infant Mortality Rates			VS-Deaths	
Indicators In Development or Under Consideration				
Maternal Obesity		BORN		
Gestational Weight Gain		BORN		
Maternal mental health		NACRS, BORN		
Alcohol use during pregnancy		BORN		
Substance use during pregnancy		BORN		
Data Sources				
BORN - Better Outcomes Registry & Network		iPHIS - Integrated Public Health Information System		VS - Vital Statistics
CCASS - Canadian Congenital Anomalies Surveillance System		NACRS - National Ambulatory Care Reporting System		
CCHS - Canadian Community Health Survey		RRFSS - Rapid Risk Factor Surveillance System		
* 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 ² Health Standards					
	Positive Parenting ³	Breastfeeding	Healthy Family Dynamics	Healthy Eating, Healthy Weights and Physical Activity	Growth and Development	Oral Health
<u>Breastfeeding Initiation and Duration</u>		CCHS, RRFSS [§]				
<u>Single Parent Families</u>			Census			
<u>Pregnancy Rate (Teen)</u>			VS-Live Births, VS-Stillbirths, Hospitalization, BORN, Medical Services			
<u>Underage Alcohol Drinking</u>			CCHS			
<u>Heavy Drinking Episodes</u>			CCHS			
<u>Adolescent Drug Use</u>			OSDUHS [§]			
<u>Vegetable and Fruit Consumption</u>				CCHS, RRFSS* [§]		
<u>Adolescent Body Mass Index</u>				CCHS		
<u>Leisure-Time Physical Activity</u>				CCHS		
<u>Screen Time</u>				CCHS		
<u>Deft/DMFT Index</u>						OHISS†
<u>Caries-free Children</u>						OHISS†
<u>Children with Dental Treatment Needs</u>						OHISS†
<u>Fluorosis Index</u>						OHISS†
<u>Early Childhood Tooth Decay</u>						OHISS†
Indicators In Development or Under Consideration						
<u>Intention to Breastfeed</u>		BORN				
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 Health Screening)		OHS- Oral Health Screening		
Hospitalization - Discharge abstract database (DAD)						
* Secondary or alternative data source						
§ Data may not be available for all health units						
† Access to data source is under investigation						

² Child is defined as anyone less than 18 years of age.

³ 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	Sexual Health, STIs, and Blood-borne Infections (including HIV) Standard					Vaccine Preventable Diseases Standard		
	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)	OCR							
Cancer Mortality (Cervical)	OCR, VS-Deaths*							
Congenital Infections			iPHIS					
Pelvic Inflammatory Disease Incidence			NACRS, Hospitalization					
Number of Sexual Partners				CCHS				
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/Panorama 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
 OCR - Ontario Cancer Registry
 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				
	Infectious Diseases of Public Health Importance (morbidity and mortality)	Associated Risk Factors	Infection Prevention and Control Practices of Inspected Premises	Rabies	Tuberculosis
Infectious Disease Incidence	iPHIS			iPHIS	iPHIS
Infectious Disease Mortality	VS-Deaths				
Pelvic Inflammatory Disease Incidence	Hospitalization, NACRS				
Rabies	MNR, iPHIS			MNR, iPHIS	
Cancer Incidence (Cervical)	CCO				
Cancer Mortality (Cervical)	CCO, VS-Deaths*				
Number of Sexual Partners		CCHS			
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			
Influenza and Pneumococcal Vaccination Rates Among Long-Term Care Facility Residents			PHU		
Influenza Vaccination Rates Among Staff at Long-Term Care Facilities and Hospitals			PHU, RRFSS* [§]		

Data Sources

CCHS - Canadian Community Health Survey
 OCR - Ontario Cancer Registry
 Hospitalization - Discharge Abstract Database (DAD)

iPHIS - Integrated Public Health Information System
 MNR - Ontario Ministry of Natural Resources
 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

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Environmental Health Program Standards

APHEO Core Indicators	Food Safety Standard	Safe Water Standard		Health Hazard Prevention and Management Standard
	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
Infectious Disease Incidence	iPHIS	iPHIS	iPHIS	
Infectious Disease Mortality	VS-Deaths	VS-Deaths	VS-Deaths	
Municipal Drinking Water Quality		MEO		MEO
Private Well Water Testing		RRFSS [§]		RRFSS [§]
Drinking Water Advisories		PHU		PHU
Water Advisories		PHU		PHU
Posted Bathing Beaches			PHU	PHU

Data Sources:

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
<u>Air Quality</u>	MEO			MEO					
<u>Population Density</u>		Census							
<u>Smoke-free Homes</u>			CCHS, RRFSS* [§]						
<u>Non-smoker Second-hand Smoke Exposure</u>			CCHS, RRFSS* [§]						
<u>Proximity to Community Focal Point</u>				ORN, RNF†, SLRN†				ORN, RNF†, SLRN†	
<u>Land Use Mix</u>				Parcel Data				Parcel Data	
<u>Rabies</u>									MNR, iPHIS
<u>Infectious Disease Incidence</u>									iPHIS
<u>Infectious Disease Mortality</u>									VS-Deaths

Indicators in Development or Under Consideration

<u>Job Density</u>		Population Estimates, Census, CDP [§]		Population Estimates, Census, CDP [§]				Population Estimates, Census, CDP [§]	
<u>Traffic Calming Measures</u>		ORN, RNF†, SLRN†		ORN, RNF†, SLRN†				ORN, RNF†, SLRN†	
<u>Outlet Density</u>		PHU, ORN						PHU, ORN	
<u>Traffic Counts</u>		local municipal datasets ORN, RNF†, SLRN†		local municipal datasets ORN, RNF†, SLRN†				local municipal datasets ORN, RNF†, SLRN†	

Data Sources:

CCHS - Canadian Community Health Survey

*CDP – Community Data Program

Census - Canadian Census

iPHIS - Integrated Public Health Information System

MEO - The Ontario Ministry of the Environment

MNR - Ontario Ministry of Natural Resources

ORN – Ontario Road Network, Ministry of Natural Resources

Parcel Data - Municipal Property Assessment Corporation

PHU - Collected by individual Public Health Units

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

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
Indicators in Development or Under Consideration									
Traffic Speed		local municipal datasets, ORN, RNF†, SLRN†						local municipal datasets, ORN, RNF†, SLRN†	
Network Characteristics				ORN, LRNF, local municipal datasets				ORN, LRNF, local municipal datasets	
<p><u>Data Sources:</u> CCHS - Canadian Community Health Survey *CDP – Community Data Program Census - Canadian Census iPHIS - Integrated Public Health Information System MEO - The Ontario Ministry of the Environment</p> <p>MNR - Ontario Ministry of Natural Resources ORN – Ontario Road Network, Ministry of Natural Resources Parcel Data - Municipal Property Assessment Corporation PHU - Collected by individual Public Health Units</p> <p>RNF – Road Network File, Statistics Canada RRFSS - Rapid Risk Factor Surveillance System SLRN - Single Line Road Network – Local government agencies VS - Vital Statistics</p>									
<p>* Secondary or alternative data source § Data may not be available for all health units †Access to data source is under investigation</p>									

Foundational Standard/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
Population by Age and Sex	Population Estimates										
Dependency Ratios	Population Estimates										
Education Level		NHS, CCHS*									
Labour Force Indicators			Census								
Low Income Rate				NHS							
Income Inequality				NHS							
Housing Affordability					NHS						
Living Arrangements					Census						
Mother Tongue						Census, CCHS*, RRFSS*§					
Home Language						Census, CCHS*, RRFSS*§					
Percent Who Cannot Speak English or French						Census					
Immigrant Population							NHS				
Ethnic/ Cultural Origin								NHS			
Aboriginal Population								Census			
Long-term Disability and Activity Restriction									CCHS		
Need for Assistance with Activities of Daily Living									CCHS		
Cost of a Nutritious Food Basket										PHU	
Data Sources	CCHS - Canadian Community Health Survey Census - Canadian Census PHU - Collected by individual Public Health Units Population Estimates – Statistics Canada Population Projections - Ministry of Finance RRFSS - Rapid Risk Factor Surveillance System										

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

Foundational Standard/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 Growth</u>											Population Estimates
<u>Projected Population Growth</u>											Population Projections
<u>Family Structure</u>											Census
<u>Commuting Population</u>											Census
<u>Rural and Population Centre Population</u>											Census
<u>Sense of Community Belonging</u>											CCHS
Indicators in Development or Under Consideration											
<u>Visible Minority Status</u>											NHS
Data Sources											
CCHS - Canadian Community Health Survey				Population Projections - Ministry of Finance				Population Estimates – Statistics Canada			
Census - Canadian Census											
§ Data may not be available for all health units											

Foundational Standard/Population Health Assessment and Surveillance Protocol

APHEO Core Indicators

	Population Health Data: Morbidity and Mortality	
	Mortality	Morbidity
<u>Fall-related Emergency Department Visits</u>		NACRS
<u>Injury-related Emergency Department Visits</u>		NACRS
<u>Self-reported Injury</u>		CCHS
<u>Suicidal Thoughts and Attempts</u>		CCHS
<u>Depression Prevalence</u>		CCHS
<u>Caries-free Children</u>		OHISS†
<u>Fluorosis Index</u>		OHISS†
Data Sources	Hospitalization - Discharge Abstract Database (DAD) iPHIS - Integrated Public Health Information System MTO - Ministry of Transportation Collision Database NACRS - National Ambulatory Care Reporting System	OHISS - Oral Health Information Support System RRFSS - Rapid Risk Factor Surveillance System VS - Vital Statistics
* Secondary or alternative data source	†Access to data source is currently under investigation	

Foundational Standard/Population Health Assessment and Surveillance Protocol

APHEO Core Indicators

APHEO Core Indicators	Population Health Data	
	Risk Factors	Preventive Health Practices
Depression Prevalence	CCHS	
Self-perceived Life Stress	CCHS	
Self-perceived Work Stress	CCHS	
Illicit Drug Use	CCHS	
Smoking Status	CCHS, RRFSS*§	
Ultraviolet Radiation Exposure	RRFSS§	
Underage Alcohol Drinking	CCHS	
Drinking in Excess of the Low-risk Alcohol 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	
Cellphone Use and Text Messaging While Driving	CCHS, RRFSS*§	
Contacts with Medical Doctors		CCHS
Regular Medical Doctor		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/Panorama, 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

Data Sources

CCHS - Canadian Community Health Survey

IRIS - Immunization Records Information System

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

OSDUHS - Ontario Student Drug Use and Health Survey

PHU - Collected by individual Public Health Units

RRFSS - Rapid Risk Factor Surveillance System

Foundational Standard/Population Health Assessment and Surveillance Protocol

APHEO Core Indicators

APHEO Core Indicators	Population Health Data	
	Risk Factors	Preventive Health Practices
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 [§]
Child Car Restraint 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		

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Foundational Standard/Population Health Assessment and Surveillance Protocol

APHEO Core Indicators

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>Air Quality</u>			MEO	
<u>Smoke-free Homes</u>			CCHS, RRFSS* [§]	
<u>Non-smoker Second-hand Smoke Exposure</u>			CCHS, RRFSS* [§]	
<u>Infectious Disease Incidence</u>			iPHIS	
<u>Infectious Disease Mortality</u>			VS-Deaths	
<u>Municipal Drinking Water Quality</u>			MEO	
<u>Private Well Water Testing</u>			RRFSS [§]	
<u>Water Advisories</u>			PHU	
<u>Posted Bathing Beaches</u>			PHU	

Data Sources

BORN - Better Outcomes Registry & Network
 CCASS - Canadian Congenital Anomalies Surveillance System
 CCHS - Canadian Community Health Survey
 Hospitalization – Discharge Abstract Database (DAD)

iPHIS - Integrated Public Health Information System
 MEO – Ontario Ministry of the Environment
 PHU – Public Health Unit

RRFSS – Rapid Risk Factor Surveillance System
 VS - Vital Statistics

* Secondary or alternative data source

§ Data may not be available for all health units

Changes Made

Year	Indicators no longer under development/consideration	Newly identified indicators for development/consideration	Retired Indicators
July 2013	<p style="text-align: center;">Core Indicators created and finalized in 2012/2013:</p> <p>Chronic Disease Prevention: <i>Proximity to Community Focal Point; Land Use Mix</i></p> <p>Injury Prevention: <i>Injury-Related Emergency Department Visits; Fall-Related Emergency Department Visits; Neurotrauma-Related Hospitalization; Cell Phone Use and Text Messaging While Driving; Child Car Restraint Use; Self-Reported Injury; Illicit Drug Use</i></p>	<p>Chronic Disease Prevention: <i>Outlet Density; Traffic Calming Measures; Network Characteristics; Traffic Counts; Traffic Speed</i></p> <p>Reproductive Health: <i>Maternal Obesity; Gestational Weight Gain; Maternal Mental Health; Alcohol Use During Pregnancy; Illicit Drug Use During Pregnancy.</i></p> <p>Child Health: <i>Intention to Breastfeed</i></p>	<p style="text-align: center;"><i>Labour Force Participation Rate and Unemployment Rate indicators were combined into Labour Force Information (along with the new Participation Rate indicator) – January 2013</i></p>
March 2014	<p style="text-align: center;">Core Indicator created and finalized in 2014</p> <p>Social Determinants of Health: <i>Sense of Community Belonging</i></p>	<p>Social Determinants of Health: <i>Visible Minority Status</i></p>	