

**PHG Needs Assessment Calculator****Canada****Health Services**

Welcome to the PHG Health Needs Assessment Calculator for Health Services. The contents of this file are listed below.

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Country demographic, maternal health and socioeconomic indicators	Demography
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Health services: Birth prevalence estimates for various congenital disorders	HSER-NA1

**Canada**  
**Shared Data**  
**Demographic, maternal health and socio-economic indicators**

**Please read first! If you have already completed a needs assessment for a different topic in this country, you will be able to copy the Demography information from that Calculator into here. The information should be the same.**

**By default, the Toolkit contains information at the national level.**

**If you would like to use a different population, then replace country information with that of your specific population of interest.**

Number of persons by age-group and sex Age group	Estimates			Your estimates			Chosen estimates		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4 years	982889	938314	1921203			0			0
5-9 years	938803	885180	1823983			0			0
10-14 years	975748	923913	1899661			0			0
15-19 years	1123767	1072670	2196437			0			0
20-24 years	1234223	1168011	2402234			0			0
25-29 years	1227544	1191736	2419280			0			0
30-34 years	1173463	1174623	2348086			0			0
35-39 years	1149025	1141371	2290396			0			0
40-44 years	1206180	1190546	2396726			0			0
45-49 years	1384979	1365706	2750685			0			0
50-54 years	1333326	1334843	2668169			0			0
55-59 years	1161120	1193071	2354191			0			0
60-64 years	998378	1039912	2038290			0			0
65+ years	2214653	2758785	4973438			0			0
Total	17104098	17378681	34482779	0	0	0	0	0	0
Female population aged 15-44 years		6938957			-			-	
Data year	2011 reported in 2011								
Source, Year	UN 2011								

**Ethnicity. Please enter data for the main ethnic groups if you are working with a population that is different from that of the country.**

Ethnic group	Number	% population

Fertility and mortality	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year

Crude birth rate: live births (LB) / year / 1000 population	11	Unicef, 2013				
Still birth rate (SB): Still births (SB) / year / 1000 total births	3.28	WHO, 2009				
Total births in 1000s (LB+SB) per year	387.636	Unicef, 2013				
Infant mortality rate: infant deaths / 1000 LB / year	4.9	Unicef, 2013				
Under-5 mortality rate: U5 deaths / 1000 LB / year	5.6	Unicef, 2013				
Percentage births in women >35 years						
Life expectancy at birth (yrs)	81.01	Unicef, 2013				
% of marriages consanguineous						

	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
<b>Maternal health</b>						
Prenatal visits – at least 1 visit (%)	100.0	Unicef, 2013				
Prenatal visits – at least 4 visits (%)	99.0	Unicef, 2013				
Births attended by skilled health personnel (%)	100	Unicef, 2013				
Contraception prevalence rate (%)	74.0	Unicef, 2013				
Unmet need for family planning (%)						
Total fertility rate	1.69	Unicef, 2013				
% home births						
% births at health care services	98.70	Unicef, 2013				
<b>Newborn health</b>						
Number of neonatal examinations by SBA / trained staff						
% neonatal examinations by SBA/ trained staff						

	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
<b>Socio-economic indicators</b>						
Gross national income per capita (PPP int. \$)	39830	Unicef, 2013				
% population living on < US\$1 per day		Unicef, 2013				
Birth registration coverage (%)	>90	WHO 2009				
Death registration coverage (%)	90-100	WHO, 2004				

LB = live births

PPP = purchasing power parity

SBA = skilled birth attendant

## Canada

## Shared Data

## Health services data

**Please read first!** If you have already completed a needs assessment for a different topic in this country, you will be able to copy the Health Services information from that Calculator into here. The information should be the same.

This section provides health-service-related information for your country.

**By default, the Toolkit contains information at the national level.**

**If you would like to use a different population, then replace country information with that of your specific population of interest.**

Health Expenditure	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Per capita total expenditure on health (PPP int. \$)	4520	WHO 2011				
Total expenditure on health as percentage of GDP	11.2	WHO 2011				
Per capita government expenditure on health (PPP int. \$)	3182.6	WHO 2011				
External resources for health as percentage of total expenditure on health		WHO 2011				
General government expenditure on health as percentage of total expenditure on health	70.4	WHO 2011				
Out-of-pocket expenditure as percentage of private expenditure on health	48.6	WHO 2011				
Private expenditure on health as percentage of total expenditure on health	29.6	WHO 2011				
General government expenditure on health as percentage of total government expenditure	17.9	WHO 2011				

Health Workforce	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Number of nursing and midwifery personnel	327224	WHO, 2006				
Nursing and midwifery personnel density (per 10,000 population)	100.5	WHO, 2006				
Number of physicians	62307	WHO, 2006				
Physician density (per 10 000 population)	19.132	WHO, 2006				
Number of obstetricians						
Number of paediatricians						
Number of paediatric surgeons						
Number of paediatric cardiac surgeons						
Number of paediatric neurosurgeons						
Number of clinical geneticists						
Number of genetic counsellors						
Number of community health workers						
Number of skilled birth attendants (SBA)						

Density of SBA						
Number of lab staff providing cytogenetic testing						
Number of lab staff providing molecular genetics						
Number of lab staff providing biochemical tests for genetics						
Number of skilled health attendants						

<b>Infrastructure</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Number of maternity units						
Number of services providing specialised care for people with CD						
Number of family planning services						
Number of preconception services						
Number of services providing prenatal care						
Number of services providing newborn care						
Number of facilities providing genetic services						
Number of laboratories providing cytogenetics						
Number of laboratories providing molecular genetics						
Number of laboratories providing biochemical tests for genetics						
Number of facilities for safe terminations of pregnancies for fetal defects						

PPP = purchasing power parity

GDP = gross domestic product

SBA = skilled birth attendant

CD = congenital disorders

**Canada****Health services****Health services: Birth prevalence estimates for various congenital disorders**

<b>Conditions</b>	<b>Global prevalence per 1000 LB</b>	<b>Country prevalence per 1000 LB</b>	<b>Country number of births annually</b>
Down's syndrome			
Sex chromosomal disorders			
Chromosomal disorders (all)			
Congenital heart disease			
Neural tube defects			
Orofacial clefts			
Other malformations			
Malformations (all)			
Sickle cell disease			
Thalassaemias			
Haemoglobin disorders (all)			
Other recessive single gene disorders (SGD)			
Dominant SGD			
X-linked SGD			
All SGD of clinical significance			
Rhesus haemolytic disease			
G6PD deficiency			
Environmental causes (all)			
Unknown causes			

LB = live births