

# Peel Health Data Zone C2

## Health Profile 2016

The burden of illness and preventable loss of life arises in large part because of the conditions in which people are born, grow, live, work and age.<sup>1</sup> Peel Health Data Zones (PHDZ) arose out of a need for data at small areas of geography to aid with planning programs and services that will in turn work towards improving public health outcomes. The PHDZ are defined geographic areas within Peel that are smaller than the municipality level, use Census Tracts as the building blocks, and where plausible, respect natural and man-made boundaries.

### Description:

PHDZ C2 is located in the south-east corner of Caledon and includes the town of Bolton and is a mix of residential neighbourhoods and industrial/employment areas (see Map 1).

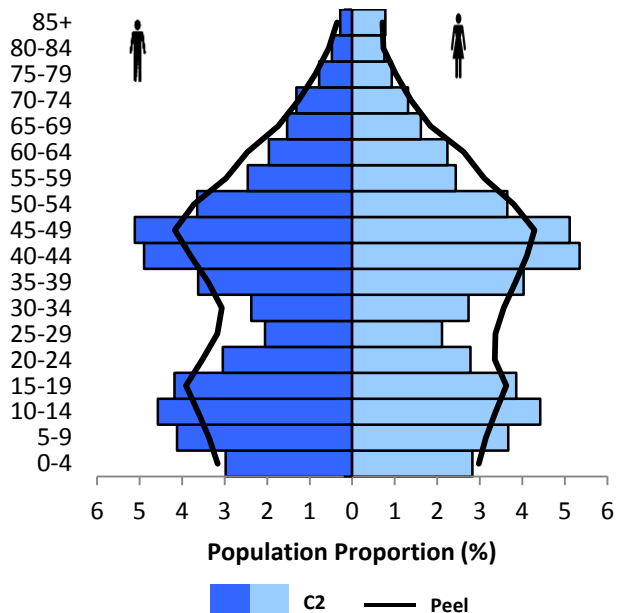
### Socio-demographic summary:

A higher proportion of C2's population is aged 10-14 years and 40-44 years compared to Peel. The average household income is \$88,119, about \$9,000 more than Peel's average. C2 has a lower prevalence of low income households (7%) compared to Peel (13%). The top three languages spoken at home are English, Italian and Spanish. Eighty-two per cent of C2's population identifies as Italian, English or Canadian.

### Adult Health:

Life expectancy at birth in C2 is similar to that in Peel. The leading causes of death among those 20 years and older in C2 are: ischemic heart disease, colon cancer and dementia and Alzheimer's disease. Age standardized mortality rates in C2 were higher compared to Peel for all three leading causes of death listed above as well as lung cancer and injuries or poisonings. Just over two thirds of C2 residents are classified as overweight or obese (68%) which is higher than Peel (51%). There are a similar proportion of current smokers in C1 compared to Peel.

**Population Distribution by Age Group, C2 and Peel, 2011**



**Population:** 23,170

Source: 2011 Census, Statistics Canada

### Child health:

A lower proportion of the population aged 0-18 years are living in low income in C2 (9%) compared to Peel (16%). Both the *general fertility rate* and *small for gestational age rate* are lower in C2 compared to Peel.

## SOCIO-DEMOGRAPHIC SUMMARY

Indicator	C2	Peel	Compared to Peel
<b>Population</b>			
Total population	23,170	1,296,815	
Population aged 0-4 years	5.8%	6.1%	Similar
Population aged 5-9 years	7.8%	6.5%	Similar
Population aged 10-14 years	9.0%	7.0%	Higher
Population aged 15-19 years	8.0%	7.5%	Similar
Population aged 20-24 years	5.8%	6.9%	Similar
Population aged 25-29 years	4.1%	6.5%	Lower
Population aged 30-34 years	5.1%	6.6%	Lower
Population aged 35-39 years	7.7%	7.2%	Similar
Population aged 40-44 years	10.3%	7.9%	Higher
Population aged 45-49 years	10.2%	8.5%	Similar
Population aged 50-54 years	7.3%	7.5%	Similar
Population aged 55-59 years	4.9%	6.1%	Similar
Population aged 60-64 years	4.2%	5.1%	Similar
Population aged 65-69 years	3.2%	3.6%	Similar
Population aged 70-74 years	2.6%	2.6%	Similar
Population aged 75-79 years	1.7%	1.9%	Similar
Population aged 80-84 years	1.2%	1.3%	Similar
Population aged 85+ years	1.1%	1.1%	Similar
<b>Language/Immigration</b>			
Knowledge of official language – neither English nor French	1.1%	3.9%	Lower
Immigration status – Immigrants	19.8%	50.5%	Lower
Time period of immigration: immigrated between 2006-2011	4.2%	15.5%	Lower
<b>Education</b>			
Highest level of education achieved (ages 25-64 years), 2011			
Less than high school	10.6%	10.4%	Similar
High school certificate or equivalent	27.9%	23.6%	Similar
Apprenticeship or trades certificate or diploma	9.4%	6.5%	Higher
College, CEGEP or other non-university certificate or diploma	25.4%	21.0%	Higher
University certificate, diploma or degree	26.8%	38.5%	Lower
<b>Income</b>			
Private household after-tax median income	\$79,980	\$68,251	Similar
Private household after-tax average income	\$88,119	\$79,146	Similar
Prevalence of low income in private households (LIM-AT)	7.4%	12.6%	Lower
Less than 18 years	8.6%	16.3%	Lower
Less than 6 years	5.1%	17.1%	Lower
18-64 years	6.8%	12.0%	Lower
65 years and over	7.7%	7.8%	Similar
Tenant households spending 30%+ of household income on shelter cost	39.3%	41.5%	Similar
Owner households spending 30+ of household income on shelter cost	20.8%	28.1%	Lower

Sources: Census 2011, Statistics Canada.

National Household Survey 2011, Statistics Canada.

### Top 10 Languages Spoken at Home, Data Zone C2 and Peel, 2011

C2		Peel	
Language	Per cent	Language	Per cent
English	93.1	English	70.6
Italian	2.8	Panjabi (Punjabi)	7.4
Spanish	0.8	Chinese	2.8
Polish	0.6	Urdu	2.7
Panjabi (Punjabi)	0.4	Polish	1.8
French	0.3	Spanish	1.4
Portuguese	0.3	Tamil	1.2
Chinese	0.2	Arabic	1.2
Russian	0.2	Tagalog (Pilipino, Filipino)	1.1
Croatian	0.1	Portuguese	1.1

Source: Census 2011, Statistics Canada

### Top Three Ethnic Origins, Data Zone C2 and Peel, 2011

C2		Peel	
Ethnic Origin	Per cent	Ethnic Origin	Per cent
Italian	38.6	East Indian	20.9
English	21.7	Canadian	12.1
Canadian	21.7	English	11.2

Only single origins were included in the top three ranking.

Source: Census 2011, Statistics Canada

## CHILD HEALTH

Top 5 Leading Causes of Mortality (ages 1 to 19 years, 2007-2011 combined)	C2 <sup>†</sup>	Peel <sup>†</sup>
Injuries or poisonings	NR	5.2
Cancer of the brain or central nervous system	NR	0.8
Bone cancer	NR	0.7
Metabolic disorders	NR	0.5
Epilepsy	NR	0.3
Asthma	NR	0.3

<sup>†</sup> Age specific rate per 100,000 population.

NR = Not releasable due to small numbers.

Sources: Ontario Mortality Database 2011, Ontario Registrar General. IntelliHEALTH Ontario, Ministry of Health and Long-Term Care.

Population Estimates 2011, Statistics Canada. IntelliHEALTH Ontario, Ministry of Health and Long-Term Care.

Indicator	C2	Peel	Compared to Peel
Number of live births <sup>1</sup>	202	15,827	
General fertility rate <sup>1,2</sup> (per 1,000 females age 15-49 years)	33.5	43.8	Lower
Pre-term live births rate (per 100 live births) <sup>1</sup>	9.1	8.2	Similar
Small for gestational age rate <sup>1</sup> (per 100 singleton births 22-43 weeks gestation)	6.5	12.1	Lower
Infant mortality rate <sup>3</sup> (per 1,000 live births)	NR	5.1	
Vulnerable in one or more Early Development Instrument domains <sup>4</sup>	18.9%	30.3%	Lower

NR = Not releasable due to small numbers.

Source: <sup>1</sup>Ontario Live Birth Database 2011, Ontario Registrar General. IntelliHEALTH Ontario, Ministry of Health and Long-Term Care.

<sup>2</sup>Population Estimates 2011, Statistics Canada. IntelliHEALTH Ontario, Ministry of Health and Long-Term Care.

<sup>3</sup>Ontario Mortality Database 2011, Office of the Registrar General, obtained through IntelliHEALTH Ontario, Ministry of Health and Long-Term Care.

<sup>4</sup>Early Development Instrument 2010, Ontario Ministry of Children and Youth Services. Offord Centre for Child Studies, McMaster University.

## ADULT HEALTH

Health Behaviour Indicator	C2	Peel	Compared to Peel
Current smoker (age 18+, 2009-2014 combined)	19.5*%	14.6%	Similar
Exceeded Low Risk Drinking Guidelines (age 19+, 2009-2014 combined)	22.1*%	15.5%	Similar
Overweight or obese adults (age 18+, 2009-2014 combined)	68.4*%	51.0%	Higher
Physically inactivity during leisure time (age 12+, 2009-2014 combined)	46.7%	53.8%	Similar
Consume fruits and vegetables less than five times per day (age 18+, 2009-2014 combined)	43.7%	58.3%	Lower
Had a flu shot in the past year (age 18+, 2009-2014 combined)	50.4%	57.1%	Similar
Ever had a mammogram – Breast cancer screening (females age 35+, 2007/2008 and 2011/2012 combined)	40.5*%	60.2%	Similar
Ever had PAP test – Cervical cancer screening (sexually active females 18+, 2007/2008 and 2011/2012 combined)	96.7*%	88.1%	Similar
Ever had fecal occult blood test – Colorectal cancer screening (age 50+, 2007/2008 to 2011/2012 combined)	48.3*%	46.4%	Similar

\*Use estimate with caution.

**Current Smoker** is defined as a person who currently smokes daily or occasionally, has smoked at least 100 cigarettes in their lifetime and some in the past 30 days. **Low Risk Drinking** includes female who have nine or less drinks in the past week, males who have 14 or less drinks in the past week and no more than two drinks on each day of the week for both males and females.

Source: Canadian Community Health Survey Share File, 2007/2008, 2009/2010, 2011/2012, 2013/2014, Statistics Canada. Ontario Ministry of Health and Long-Term Care.

Cause of Death and Life Expectancy	C2	Peel	Compared to Peel
<b>Top 5 Leading Causes of Mortality (age 20+ years)<sup>†</sup></b>			
Ischemic heart disease	65.6	48.1	Higher
Colon cancer	39.6	12.7	Higher
Dementia and Alzheimer's disease	39.8	27.5	Higher
Lung cancer	39.1	28.1	Higher
Injuries or poisonings	34.2	24.6	Higher
<b>Life Expectancy</b>			
Life expectancy at birth - Males	78.9 years	82.3 years	Similar
Life expectancy at birth - Females	83.1 years	86.1 years	Similar

<sup>†</sup> Age standardized rate (per 100,000 population) to the 1991 Canadian population.

Source: Ontario Mortality Database 2011, Ontario Registrar General. IntelliHEALTH Ontario, Ministry of Health and Long-Term Care.

Population Estimates 2011, Statistics Canada. IntelliHEALTH Ontario, Ministry of Health and Long-Term Care.

**Notes:**

For the Canadian Community Health Survey indicators presented in the tables above the term “lower” or “higher” means the 95% confidence intervals do not overlap between the data zone and Peel and therefore the differences between the estimates are statistically significant.

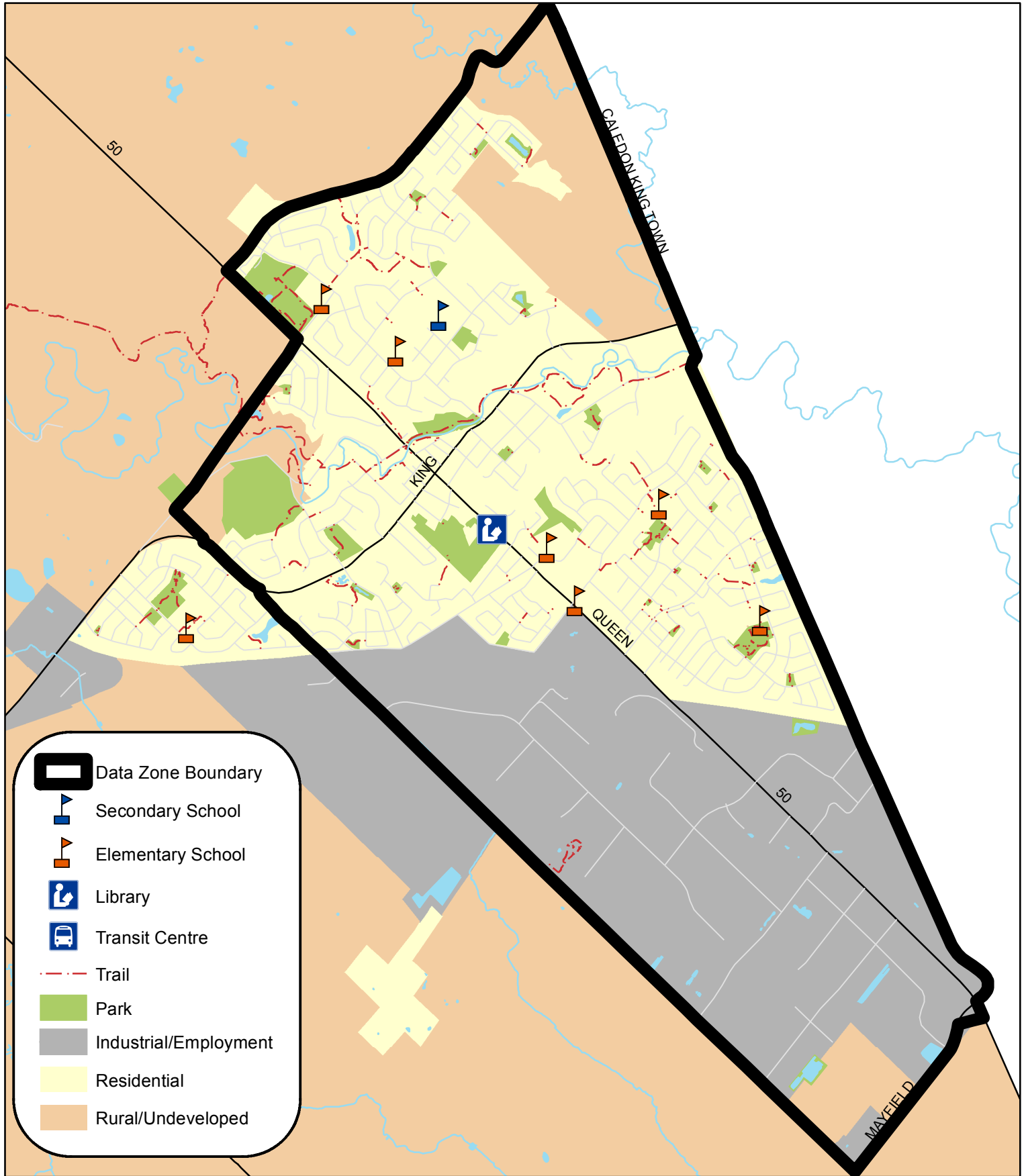
For the remaining indicators presented in the tables above, the term “lower” or “higher” refer to data zones with a rate that falls 20% above or 20% below the Peel rate.

For more information about these and other health related indicators in Peel please refer to the [Health Status Data](#) website.

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<sup>1</sup> Rose G, Day S. The population mean predicts the number of deviant individuals. BMJ. 1990 Nov 3; 301 (6759):1031-4.

# Map 1: Data Zone C2



0 0.5 1 2 3 Kilometers

Source: Compiled with data available through the Peel Data Centre Core GIS Data List  
Date created: January 2016