



Appendix E: Population Profile Variable Descriptions

For the Central LHIN's Health Needs Assessment Infonaut provided statistical analysis including the mapping component. Infonaut created profile's used to describe relevant health related statistics. The purpose of this document is to explain the process behind the creation of the profiles used in the Central LHIN Health needs Assessment.

The data used by Infonaut in this assessment was from the Demographic Estimates and Projections 2008 from Environics Analytics. Environics uses the most recently available Statistics Canada Census to calculate their projections. Accompanying this document is the DEP 2008 (Demographic Estimates and Projections 2008 Documentation) from Environics Analytics it is a methodology white paper that provides further insight into this process.

Profile #1

Total Pop. 2008

This is the total population in 2008

Process Description

Total population has already been calculated by Environics Analytics it is based on the Statistics Canada Census and has been projected for 2008.

Profile #2

% Planning Area Pop. in LHIN

This is the percentage of the total population of the entire LHIN that resides in each sub-LHIN planning area.

Process Description

This involved calculating the percentage of the LHIN's total population that falls within each sub-LHIN planning area. $((\text{subLHINpop} / \text{LHIN pop}) * 100)$

Profile #3

% Pop. Aged 65+

This is the percentage of population that is 65 years of age and over.

Process Description

This profile is calculated using a two step process.

1st Step: Aggregating all of the age cohort fields for total population aged sixty five plus. (Total 65-69, Total 70-74, Total 75-79, Total 80-84 and Total 85+)

2nd Step: Calculating the percentage of the total population that is aged 65 plus. $((\text{pop } 65+ / \text{total pop}) * 100)$

Profile #4

% Economic Family Incidence of Low Income

This is the percentage of households that have an income of less than \$29,999. It has been generalized as the percent of families that have an incidence of low income.

Process Description

This is calculated using a three-step process. The first step involves calculating the total number of households with low income (less than 30,000). The second step involves calculating the total number of households.

1st Step: Aggregating the three income classes: HHs w/inc 0-9999, HH's w/inc 10000-19999 and HH's w/inc 20000-29999.

2nd Step: Aggregating the total number of households: HHs w/inc 0-9999, HHs w/inc 10000-19999, HHs w/inc 20000-29999, HHs w/inc 30000-39999, HHs w/inc 40000-49999, HHs w/inc 50000-59999, HHs w/inc 60000-69999, HHs w/inc 70000-79999, HHs w/inc 80000-89999, HHs w/inc 90000-99999 and HHs w/inc 100000+

*3rd Step: Calculating the percentage of low income houses (less than 30,000). (inc. less than 30,000 / total households)*100*

Profile #5

% Total Lone Parent Families

This is the percentage of total lone parent families. A lone parent family is defined by statistics Canada as consisting of a lone parent of any marital status, with at least one child living in the same dwelling.

Process Description

Total lone parent families and total census families (includes married, common-law and lone parent) are a field that has already been calculated by Environics Analytics based on Statistics Canada census data. The percentage of total lone parent families is calculated using these fields. (total lone parent families / total census families)*100)

Profile #6

%Visible Minority Pop

This is the percentage of the population that is a visible minority. It is calculated by statistics Canada. The variables include the thirteen major visible minority groups defined by Statistics Canada.

Process Description

This is calculated via a two-step process. This first step is calculating the total population that is a visible minority. The second step involves calculating the percent of the population that is a visible minority.

1st Step: Total Population minus Total Population that is not a visible minority (total pop – VM: not a visible minority.) this gives us the total population for visible minorities (total vm).

*2nd Step: Calculating the percent of the total population that is a visible minority. ((total vm / total pop)*100)*

Profile #7

% Pop Aged 20+ with less than HS Education

This is the percentage of population that is less than 20 (0-19) that has not attained a high school diploma.

Process Description

This is a calculated using a three-step process. This first step involves aggregating the population that is twenty years of age and older. The second step involves aggregating the population that has less than a high school certificate. The third step involves calculating the percentage of the population that is over 20 and has not attained a high school certificate.

1st Step: Aggregating the total population 20 years and over. (Total 20-24 + Total 25-29 + Total 30-34 + Total 35-39 + Total 40-44 + Total 45-49 + Total 50-54 + Total 55-59 + Total 60-64 + Total 65-69 + Total 70-74 + Total 75-79 + Total 80-84 + Total 85+)

2nd Step: This involves aggregating the population that has less than grade 9 with the population that has grades 9-13 without high school graduation certificate (POP 20+: <Grade 9, POP 20+ G 9-13, no H.S. cert.)

3rd Step: Calculating the total population that is twenty years and over that has not attained a high school certificate

Profile #8

Median Household Income

Median income is the amount which divides the income distribution into two equal groups, half having income above that amount, and half having income below that amount. Mean income (average) is the amount obtained by dividing the total aggregate income of a group by the number of units in that group. The means and medians for households and families are based on all households and families. Means and medians for people are based on people 15 years old and over with income.

Process Description

Median Household income has already been calculated by Environics Analytics it is based on the Statistics Canada Census and has been projected for 2008

Profile #9

% Immigrants

Immigrants are Canadian residents that were not born in Canada. Percentage of Immigrants (% Immigrants) is the percentage of the total population that is an immigrant.

Process Description

This is a one-step process since total immigrants has already been calculated by Environics Analytics, it is based on the Statistics Canada Census and has been projected for 2008.

*1st Step: Calculating the percentage of the total population that is an immigrant. ((total immigrants / total population) *100)*

Profile #10

% who do not speak English as First Language

This is the percent of the population that do not speak English as their first language.

Process Description

This is a two-step process. This first step involves calculating the total amount of the population that does not speak English as a first language. The second step involves calculating the percentage of the population that does not speak English as a first language.

1st Step: This involves subtracting the total population that has English mother tongue from the total population. This leaves us with the total population that does not speak English as a first language. (Total Pop - MT: English)

*2nd Step: Calculating the percent of the total population that does not speak English as its first language. ((Non-English MT / Total Population) *100)*