Nova Scotia Health Atlas Indicator Information

Indicator: Diabetes[1]

- **Indicator Description:** Presentation of the number of diabetes cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
    - MSI Physician's Billings Database(MED)[2]
    - CIHI DAD Database[2]
    - Insured Patient Registry[2]
        - MASTER File
        - ELIGIB File
    - Patient Geography (WHERE) Database[2]
    - 2011 Census, FSA geography[3]

- **Methodology:**
    - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
    - Residency Assignment: A patient's resident FSA was determined from the WHERE database
    - Numerator:
        - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 250, E10; E11; E12; E13; E14 excluding gestational diabetes ICD-9: 641-676, V27; ICD-10 and ICD-10-CA: O1, O21-95, O98, O99, Z37
        - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
        - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
        - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
    - Denominator:
        - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient's cannot be identified

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

[3]http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: COPD[1]

- **Indicator Description:** Presentation of the number of COPD cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
    - MSI Physician's Billings Database(MED)[2]
    - CIHI DAD Database[2]
    - Insured Patient Registry[2]
        - MASTER File
        - ELIGIB File
    - Patient Geography (WHERE) Database[2]
    - 2011 Census, FSA geography[3]

- **Methodology:**
    - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
    - Residency Assignment: A patient's resident FSA was determined from the WHERE database
    - Numerator:
        - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 491; 492; 496 J41; J42; J43; J44
        - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
        - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
        - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
    - Denominator:
        - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

Indicator: IHD[1]

- **Indicator Description:** Presentation of the number of ischemic heart disease cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
  - MSI Physician's Billings Database(MED)[2]
  - CIHI DAD Database[2]
  - Insured Patient Registry[2]
    - MASTER File
    - ELIGIB File
  - Patient Geography (WHERE) Database[2]
  - 2011 Census, FSA geography[3]

- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Residency Assignment: A patient's resident FSA was determined from the WHERE database
  - Numerator:
    - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 410; 411; 412; 413; 414 ,36.01;36.02;36.05;361 (ICD9-CM)),48.02;48.03;481 (CCP), I20; I21; I22; I23; I24; I251IJ50;1IJ54;1IJ57GQ;IJ76 (CCI)
    - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
    - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
    - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
  - Denominator:
    - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

[3]http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Cancer[1]

- **Indicator Description:** Presentation of the number of cancer cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
  - MSI Physician's Billings Database(MED)[2]
  - CIHI DAD Database[2]
  - Insured Patient Registry[2]
    - MASTER File
    - ELIGIB File
  - Patient Geography (WHERE) Database[2]
  - 2011 Census, FSA geography[3]

- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Residency Assignment: A patient's resident FSA was determined from the WHERE database
  - Numerator:
    - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 140-239, C00-D48
    - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
    - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
    - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
  - Denominator:
    - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

[1]Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.

[2]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

Indicator: Osteoporosis[1]

- **Indicator Description:** Presentation of the number of osteoporosis cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
    - MSI Physician's Billings Database(MED)[2]
    - CIHI DAD Database[2]
    - Insured Patient Registry[2]
        - MASTER File
        - ELIGIB File
    - Patient Geography (WHERE) Database[2]
    - 2011 Census, FSA geography[3]

- **Methodology:**
    - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
    - Residency Assignment: A patient's resident FSA was determined from the WHERE database
    - Numerator:
        - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 7330 or 733, M80; M81
        - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
        - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
        - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
    - Denominator:
        - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

Indicator: Stroke[1]

- **Indicator Description:** Presentation of the number of stroke cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
    - MSI Physician's Billings Database(MED)[2]
    - CIHI DAD Database[2]
    - Insured Patient Registry[2]
        - MASTER File
        - ELIGIB File
    - Patient Geography (WHERE) Database[2]
    - 2011 Census, FSA geography[3]

- **Methodology:**
    - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
    - Residency Assignment: A patient's resident FSA was determined from the WHERE database
    - Numerator:
        - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 430,431,432,433,434,436,437,I60.9,I61,I62,I65,I66,I63,I64,I67.89
        - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
        - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
        - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
    - Denominator:
        - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

[3]http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Dementia[1]

- **Indicator Description:** Presentation of the number of dementia cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
  - MSI Physician's Billings Database(MED)[2]
  - CIHI DAD Database[2]
  - Insured Patient Registry[2]
    - MASTER File
    - ELIGIB File
  - Patient Geography (WHERE) Database[2]
  - 2011 Census, FSA geography[3]

- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Residency Assignment: A patient's resident FSA was determined from the WHERE database
  - Numerator:
    - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 290,291.1,291.2,294.0,294.1,331.0-331.3,331.82-331.83,331.89-331.9,F01,F05.1,F10.6,F10.7,FF04,F00,F02, G30,G31.0,G31.1,G31.8,G31.9,G32.8,G91.0,G91.2,G91.3,G91.8,G91.9,G94
    - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
    - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
    - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
  - Denominator:
    - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

[3]http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Injuries[1]

- **Indicator Description:** Presentation of the number of injuries per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
  - MSI Physician's Billings Database(MED)[2]
  - CIHI DAD Database[2]
  - Insured Patient Registry[2]
    - MASTER File
    - ELIGIB File
  - Patient Geography (WHERE) Database[2]
  - 2011 Census, FSA geography[3]

- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Residency Assignment: A patient's resident FSA was determined from the WHERE database
  - Numerator:
    - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes E920, W25-W29, W45-W46, E830, E832, E910, V90, V92, W65-W74, E880-E886, E888, W00-W19, E890-E899, X10-X19, E922, W32-W34, E919, W24, W30-W31, E810-E819 (.0-.1), V30-V79(.4-.9),V83-V86(.0-.3), E810-E819 (.2-.3), V20-V28(.3-.9), V29(.4-.9), E810-E819 (.6), V12-V14(.3-.9), V19(.4-.6), E810-E819 (.7), V02-V04(.1), V02-V04(.9), V09.2, E810-E819 (.4-.5, .8-.9), V80(.3-.5), V81-V82(.1), V87(.0-.8), V89.2, E800-E807(.3), E820-E825(.6), E826.1, E826.9, V10.0-V11.9, V12-V14(.0-.2), V15.0-V18.9, V19(.0-.3), V19.8, V19.9, E800-E807(.2), E820-E825(.7), E826-E829(.0), V01(.0-.9), V02-V04(.0), V05.0-V06.9, V09.0, V09.1, V09.3, V09.9, E800-E807(.0-.1), E800-E807(.8-.9), E820-E825(.0-.5), E820-E825(.8-.9), E826(.2-.8), E827-E829(.2-.9), E831, E833-E838, E840.0-E845.9, E846, E847-E848, V20-V28(.0-.2), V29-V79(.0-.3), V80(.0-.2), V80(.6-.9), V81-V82(.0), V81-V82(.2-.9), V83-V86(.4-.9), V87.9, V88(.0-.9),V89(.0-.1), V89.3, V89.9, V91, V93-V99, E850-E869, E924.1, X40-X49, E916-E917, W20-W22, W50-W52, E911-E913, W75-W84, E914-E915, W44, E970-E978, E990-E999, Y35-Y36, Y89(.0-.1), E950-E959
    - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
    - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.

- **Age and Sex Assignment:** Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
  - Denominator:
    - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

[3]http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Heart Failure[1]

- **Indicator Description:** Presentation of the number of heart failure cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
  - MSI Physician's Billings Database(MED)[2]
  - CIHI DAD Database[2]
  - Insured Patient Registry[2]
    - MASTER File
    - ELIGIB File
  - Patient Geography (WHERE) Database[2]
  - 2011 Census, FSA geography[3]

- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Residency Assignment: A patient's resident FSA was determined from the WHERE database
  - Numerator:
    - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 428, I50
    - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
    - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
    - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
  - Denominator:
    - All persons over the age of 30 in the given age/gender category for the FSA*

- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

Indicator: Schizophrenia/Delusional disorder[1]

- **Indicator Description:** Presentation of the number of schizophrenia/delusional disorder cases per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Sources:**
    - MSI Physician's Billings Database(MED)[2]
    - CIHI DAD Database[2]
    - Insured Patient Registry[2]
        - MASTER File
        - ELIGIB File
    - Patient Geography (WHERE) Database[2]
    - 2011 Census, FSA geography[3]

- **Methodology:**
    - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
    - Residency Assignment: A patient's resident FSA was determined from the WHERE database
    - Numerator:
        - Diagnostic codes: Case numbers are derived from the MED and CIHI DAD databases using the diagnostic codes 293,295,297,298.2-298.9, F20-F29
        - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
        - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
        - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.
    - Denominator:
        - All persons over the age of 30 in the given age/gender category for the FSA as taken from the 2011 FSA level census
- **Data Issues:** FSAs with less than 5 reported cases have been censored to ensure patient privacy

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

Indicator: **Average Physician & Hospital Costs**

- **Indicator Description:** Presentation of the average per person physician & hospital cost per year

- **Data Availability:** Available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations

- **Data Sources:**

  - MSI Physician's Billings (MED)[1]
  - CIHI DAD Database[1]
  - Insured Patient Registry[1]
    - MASTER File
    - ELIGIB File
  - Patient Geography (WHERE) Database[1]
  - 2011 Census, FSA geography[2]

- **Methodology:**

  - The average cost per patient was calculated as:
    (sum of amounts approved for all service encounters) / (number of patients)

  - Numerator:

    - For each service encounter the approved payment amount was determined from the MED database

  - Denominator:

    - Study population: All people over the age of 30 by April 1, 2010, eligible for provincial health care coverage for at least one year between 2010 and 2013.
    - Determination of Eligibility: A patient's eligibility was determined from the fromdate and todate variables in the ELIGIB database.
    - Age and Sex Assignment: Patient's age and sex were determined from the age and sex variables of the MASTER database, which have their as their source the values reported on a person's provincial insurance registration record. Patients were then categorized into 10 year age groups, by gender.

- **Data Issues:** *See MSSU SARV report*

[1]http://medicine.dal.ca/departments/department-sites/community-health/research/hdns/services/health-databases.html

[2]http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Residents over 65[1]

- **Indicator Description:** Presentation of the number of residents of an FSA over 65 per 1000 people
- **Data Availability:** Rates are available at the FSA level by sex
- **Data Source:**
    - 2011 Census, FSA geography[2]
- **Methodology:**
    - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
    - Numerator:
        - Population over the age of 65
    - Denominator:
        - Total population of the FSA for the given sex
- **Data Issues:** Population counts are randomly rounded to the nearest multiple of 5 or 10 as per Statistics Canada standards.

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2] http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Low Income[1]

- **Indicator Description:** Presentation of the number of residents of an FSA with total annual income <$20000 per 1000 people
- **Data Availability:** Rates are available at the FSA level by sex
- **Data Source:**
  - 2011 National Household Survey, FSA geography[2]
- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Numerator:
    - Number of people with an annual income <$20000
  - Denominator:
    - Total population of the FSA for the given sex
- **Data Issues:** Population counts are randomly rounded to the nearest multiple of 5 or 10 as per Statistics Canada standards.

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://www12.statcan.gc.ca/nhs-enm/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Aboriginal Population[1]

- **Indicator Description:** Presentation of the number of residents of an FSA self-identifying as Aboriginal per 1000 people
- **Data Availability:** Rates are available at the FSA level by sex
- **Data Source:**
  - 2011 National Household Survey, FSA geography[2]
- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Numerator:
    - Population self-identifying as Aboriginal
  - Denominator:
    - Total population of the FSA for the given sex
- **Data Issues:** Population counts are randomly rounded to the nearest multiple of 5 or 10 as per Statistics Canada standards.

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://www12.statcan.gc.ca/nhs-enm/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: <Grade 12 Education[1]

- **Indicator Description:** Presentation of the number of residents of an FSA with less than grade 12 education per 1000 people
- **Data Availability:** Rates are available at the FSA level by sex
- **Data Source:**
  - 2011 National Household Survey, FSA geography[2]
- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Numerator:
    - Population with less than grade 12 education
  - Denominator:
    - Total population of the FSA for the given sex
- **Data Issues:** Population counts are randomly rounded to the nearest multiple of 5 or 10 as per Statistics Canada standards.

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2]http://www12.statcan.gc.ca/nhs-enm/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Single Parent Families[1]

- **Indicator Description:** Presentation of the number of single parent families per 1000 people
- **Data Availability:** Rates are available at the FSA level by sex
- **Data Source:**
    - 2011 Census, FSA geography[2]
- **Methodology:**
    - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
    - Numerator:
        - Number of single parent families
    - Denominator:
        - Total population of the FSA for the given sex
- **Data Issues:** Population counts are randomly rounded to the nearest multiple of 5 or 10 as per Statistics Canada standards.

[1]Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.

[2] http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E

Indicator: Living alone[1]

- **Indicator Description:** Presentation of the number of residents of an FSA who live alone per 1000 people
- **Data Availability:** Rates are available at the FSA level for 10 year age categories by sex, and for the total, total male and total female populations.
- **Data Source:**
  - 2011 Census, FSA geography[2]
- **Methodology:**
  - Rate per 1000 people was calculated, for each age/gender category in each FSA, by the formula: (# of cases)/(# people in category) * 1000
  - Numerator:
    - Population living alone
  - Denominator:
    - Total population of the FSA for the given sex
- **Data Issues:** Population counts are randomly rounded to the nearest multiple of 5 or 10 as per Statistics Canada standards.

[1]*Adapted from Statistics Canada, 2011 Census, Product Code 2011 98-316-XWE2011001-1601, 2016/07/25. This does not constitute an endorsement by Statistics Canada of this product.*

[2] http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E