## Appendix 1: Supplementary tables

Appendix to:

Queenan JA, Wong ST, Barber D, Morkem R, Salman S. The Prevalence of Common Chronic Conditions seen in Canadian Primary Care: Results from the Canadian Primary Care Sentinel Surveillance Network. Canadian Primary Care Sentinel Surveillance Network; April 2021.

## Contents

Table A1: Sex-specific and age-standardized prevalence of CPCSSN validated chronic conditions in
adult patients ..... 2
Table A2: Sex-specific and age-standardized prevalence of CPCSSN validated chronic conditions in pediatric patients ..... 3
Table A3: Median number of primary care service days between Jan 1, 2019 and Dec 31, 2019 in adult patients for CPCSSN validated conditions ..... 4
Table A4: Median number of primary care service days between Jan 1, 2019 and Dec 31, 2019 in pediatric patients for CPCSSN validated conditions ..... 5
Table A5: Sex-specific and age-standardized prevalence of multiple chronic conditions in adult patients6
Table A6: Sex-specific and age-standardized prevalence of multiple chronic conditions in pediatric patients ..... 7
Table A7: Median number of primary care service days between Jan 1, 2019 and Dec 31, 2019 in adult patients ..... 8
Table A8: Median number of primary care service days between Jan 1, 2019 and Dec 31, 2019 in pediatric patients ..... 9

Table A9: Observed and sex-specific age-standardized prevalence of CPCSSN validated conditions in adult and pediatric patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 201910

Table A1: Sex-specific and age-standardized prevalence of CPCSSN validated chronic conditions in adults
$\left.\begin{array}{|l|c|c|c|}\hline & \begin{array}{c}\text { Male } \\ (\mathrm{n}=493,777)\end{array} & \begin{array}{c}\text { Female } \\ (\mathrm{n}=641,203)\end{array} & \begin{array}{c}\text { All } \\ (\mathrm{n}=1,134,980)\end{array} \\ \hline & \begin{array}{c}\text { Prevalence } \\ \text { (age standardized }{ }^{1} \text { ) }\end{array} & \begin{array}{c}\text { Prevalence } \\ \text { (age standardized }{ }^{1} \text { ) }\end{array} & \begin{array}{c}\text { Prevalence } \\ \text { (age and sex standardized }{ }^{1} \text { ) }\end{array} \\ \hline & \begin{array}{c}\% \\ {[95 \% \mathrm{Cl}]}\end{array} & \begin{array}{c}\% \\ {[95 \% \mathrm{Cl}]}\end{array} & {[95 \% \mathrm{Cl}]} \\ \hline & & & \\ \hline \begin{array}{l}\text { Without CPPSSN Validated } \\ \text { Chronic Condition }\end{array} & & 35.5 \\ \hline \text { Chronic Kidney Disease } & 35.3 \\ {[35.1,35.4]}\end{array} \quad \begin{array}{c}{[35.5,35.8]}\end{array}\right]$

Notes: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 2019.
Chi square test (difference between males and females) was <. 0001 for all disease groups.
${ }^{1} 2016$ Canadian Census. ${ }^{2}$ Chronic Kidney Disease, Chronic Obstructive Pulmonary Disease, Dementia,
Depression, Diabetes Mellitus, Dyslipidemia, Epilepsy, Hypertension, Obesity, Osteoarthritis, Parkinson's Disease.

Table A2: Sex-specific and age-standardized prevalence of CPCSSN validated chronic conditions in children

|  | Male <br> $(\mathrm{n}=135,267)$ | Female <br> $(\mathrm{n}=131,130)$ | All <br> $(\mathrm{n}=266,397)$ |
| :--- | :---: | :---: | :---: |
|  | Prevalence <br> age standardized $\left.^{1}\right)$ | Prevalence <br> $\left(\right.$ age standardized $\left.^{1}\right)$ | Prevalence <br> (age and sex standardized ${ }^{1}$ ) |
|  | $\%$ <br> $[95 \% ~ C I]$ | $\%$ <br> $[95 \% ~ C I]$ | $[95 \% \mathrm{Cl}]$ |

Notes: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 2019.
Chi square test (difference between males and females) was <. 0001 for all disease groups.
${ }^{1} 2016$ Canadian Census. ${ }^{2}$ Asthma, Diabetes Mellitus, Obesity.

Table A3: Median number of primary care service days between Jan 1, 2019 and Dec 31, 2019 in adults for CPCSSN validated conditions

|  | $\begin{gathered} \text { Male } \\ (n=493,777) \end{gathered}$ |  |  | $\begin{gathered} \text { Female } \\ (n=641,203) \end{gathered}$ |  |  | $\begin{gathered} \text { All } \\ (n=1,134,980) \end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \end{gathered}$ | Range | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q}) \end{gathered}$ | Range | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q}) \end{gathered}$ | Range | *pvalue |
| Without CPPSSN Validated Chronic Condition ${ }^{1}$ | 0 | $\begin{gathered} 2 \\ (0,2) \end{gathered}$ | 102 | 1 | $\begin{gathered} 3 \\ (0,3) \end{gathered}$ | 140 | 1 | $\begin{gathered} 2 \\ (0,4) \end{gathered}$ | 140 | <0.0001 |
| Chronic Kidney Disease | 4 | $\begin{gathered} \hline 6 \\ (1,7) \\ \hline \end{gathered}$ | 245 | 4 | $\begin{gathered} \hline 7 \\ (1,8) \\ \hline \end{gathered}$ | 230 | 4 | $\begin{gathered} \hline 6 \\ (1,7) \\ \hline \end{gathered}$ | 245 | 0.0738 |
| Chronic Obstructive <br> Pulmonary Disease | 3 | $\begin{gathered} 7 \\ (0,7) \\ \hline \end{gathered}$ | 128 | 4 | $\begin{gathered} \hline 8 \\ (0,8) \\ \hline \end{gathered}$ | 174 | 3 | $\begin{gathered} 7 \\ (0,7) \\ \hline \end{gathered}$ | 174 | <0.0001 |
| Dementia | 3 | $\begin{gathered} 7 \\ (0,7) \end{gathered}$ | 216 | 3 | $\begin{gathered} 7 \\ (0,7) \end{gathered}$ | 237 | 3 | $\begin{gathered} 7 \\ (0,7) \end{gathered}$ | 237 | 0.0709 |
| Depression | 2 | $\begin{gathered} 5 \\ (0,5) \\ \hline \end{gathered}$ | 171 | 3 | $\begin{gathered} 6 \\ (0,6) \\ \hline \end{gathered}$ | 237 | 3 | $\begin{gathered} \hline 6 \\ (0,6) \\ \hline \end{gathered}$ | 237 | <0.0001 |
| Diabetes Mellitus | 3 | $\begin{gathered} 5 \\ (1,6) \\ \hline \end{gathered}$ | 299 | 4 | $\begin{gathered} 7 \\ (0,7) \\ \hline \end{gathered}$ | 217 | 3 | $\begin{gathered} 5 \\ (1,6) \\ \hline \end{gathered}$ | 299 | <0.0001 |
| Dyslipidemia | 2 | $\begin{gathered} \hline 5 \\ (0,5) \end{gathered}$ | 216 | 3 | $\begin{gathered} \hline 4 \\ (1,5) \end{gathered}$ | 237 | 2 | $\begin{gathered} \hline 5 \\ (0,5) \end{gathered}$ | 237 | <0.0001 |
| Epilepsy | 2 | $\begin{gathered} 5 \\ (0,5) \\ \hline \end{gathered}$ | 245 | 3 | $\begin{gathered} 5 \\ (1,6) \\ \hline \end{gathered}$ | 154 | 3 | $\begin{gathered} 6 \\ (0,6) \\ \hline \end{gathered}$ | 245 | <0.0001 |
| Hypertension | 3 | $\begin{gathered} 5 \\ (1,6) \end{gathered}$ | 299 | 3 | $\begin{gathered} 5 \\ (1,6) \end{gathered}$ | 237 | 3 | $\begin{gathered} 5 \\ (1,6) \\ \hline \end{gathered}$ | 299 | <0.0001 |
| Obesity | 2 | $\begin{gathered} 4 \\ (0,4) \\ \hline \end{gathered}$ | 299 | 2 | $\begin{gathered} 5 \\ (0,5) \\ \hline \end{gathered}$ | 230 | 2 | $\begin{gathered} 5 \\ (0,5) \\ \hline \end{gathered}$ | 299 | <0.0001 |
| Osteoarthritis | 3 | $\begin{gathered} 5 \\ (1,6) \end{gathered}$ | 165 | 3 | $\begin{gathered} 6 \\ (1,7) \end{gathered}$ | 174 | 3 | $\begin{gathered} 5 \\ (1,6) \end{gathered}$ | 174 | <0.0001 |
| Parkinson's Disease | 3 | $\begin{gathered} 7 \\ (0,7) \\ \hline \end{gathered}$ | 76 | 3 | $\begin{gathered} 7 \\ (0,7) \\ \hline \end{gathered}$ | 105 | 3 | $\begin{gathered} 7 \\ (0,7) \\ \hline \end{gathered}$ | 105 | 0.6408 |
| Note: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 2019. <br> ${ }^{1}$ Chronic Kidney Disease, Chronic Obstructive Pulmonary Disease, Dementia, Depression, Diabetes Mellitus, Dyslipidemia, Epilepsy, Hypertension, Obesity, Osteoarthritis, Parkinson's Disease. |  |  |  |  |  |  |  |  |  |  |

*Wilcoxon rank sum test. The Wilcoxon rank sum tests for differences in the sum of ranks. With large samples it is possible that significant $p$ values can be calculated when the medians are equal and there are small differences in the sum of ranks between the groups. NB: the Wilcoxon rank sum test and Mann-Whitney are synonymous.
See: Introduction to SAS. UCLA: Statistical Consulting Group.
from https://stats.idre.ucla.edu/sas/modules/sas-learning-moduleintroduction-to-the-features-of-sas/ (accessed August 22, 2016). FAQ: Why Is The Mann-Whitney Significant When The Medians Are Equal?

Table A4: Median number of primary care service days between Jan 1, 2019 and Dec 31, 2019 in children for CPCSSN validated conditions

|  | $\begin{gathered} \text { Male } \\ (n=135,267) \end{gathered}$ |  |  | $\begin{gathered} \text { Female } \\ (n=131,130) \end{gathered}$ |  |  | $\begin{gathered} \text { All } \\ (\mathrm{n}=266,397) \end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \\ \hline \end{gathered}$ | Range | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \end{gathered}$ | Range | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \end{gathered}$ | Range | *p-value |
| Without CPPSSN Validated Chronic Condition ${ }^{1}$ | 0 | $\begin{gathered} 2 \\ (0,2) \end{gathered}$ | 139 | 0 | $\begin{gathered} 2 \\ (0,2) \end{gathered}$ | 45 | 1 | $\begin{gathered} 2 \\ (0,2) \end{gathered}$ | 139 | <0.0001 |
| Asthma | 1 | $\begin{gathered} \hline 3 \\ (0,3) \\ \hline \end{gathered}$ | 94 | 1 | $\begin{gathered} 3 \\ (0,3) \\ \hline \end{gathered}$ | 41 | 1 | $\begin{gathered} \hline 3 \\ (0,3) \\ \hline \end{gathered}$ | 94 | <0.0001 |
| Diabetes Mellitus | 0 | $\begin{gathered} 2 \\ (0,2) \\ \hline \end{gathered}$ | 18 | 1 | $\begin{gathered} 2 \\ (0,2) \\ \hline \end{gathered}$ | 22 | 0 | $\begin{gathered} 2 \\ (0,2) \\ \hline \end{gathered}$ | 22 | 0.1563 |
| Obesity | 1 | $\begin{gathered} 2 \\ (0,2) \\ \hline \end{gathered}$ | 23 | 1 | $\begin{gathered} 2 \\ (0,2) \\ \hline \end{gathered}$ | 28 | 1 | $\begin{gathered} 2 \\ (0,2) \\ \hline \end{gathered}$ | 28 | 0.0400 |
| Note: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 2019. <br> ${ }^{1}$ Asthma, Diabetes Mellitus, Obesity. |  |  |  |  |  |  |  |  |  |  |

*Wilcoxon rank sum test. The Wilcoxon rank sum tests for differences in the sum of ranks. With large samples it is possible that significant $p$ values can be calculated when the medians are equal and there are small differences in the sum of ranks between the groups. NB: the Wilcoxon rank sum test and Mann-Whitney are synonymous.
See: Introduction to SAS. UCLA: Statistical Consulting Group.
from https://stats.idre.ucla.edu/sas/modules/sas-learning-moduleintroduction-to-the-features-of-sas/ (accessed August 22, 2016). FAQ: Why Is The Mann-Whitney Significant When The Medians Are Equal?

Table A5: Sex-specific and age-standardized prevalence of multiple chronic conditions in adults

|  | $\begin{gathered} \text { Male } \\ (\mathrm{n}=493,777) \end{gathered}$ | $\begin{gathered} \text { Female } \\ (\mathrm{n}=641,203) \end{gathered}$ | $\begin{gathered} \text { All } \\ (n=1,134,980) \end{gathered}$ |
| :---: | :---: | :---: | :---: |
|  | Prevalence <br> (age standardized ${ }^{1}$ ) | Prevalence <br> (age standardized ${ }^{1}$ ) | Prevalence <br> (age and sex standardized ${ }^{1}$ ) |
|  | $\begin{gathered} \% \\ {[95 \% \mathrm{CI}]} \end{gathered}$ | $\begin{gathered} \% \\ {[95 \% \mathrm{CI}]} \end{gathered}$ | $\begin{gathered} \% \\ {[95 \% \mathrm{CI}]} \end{gathered}$ |
| Without CPPSSN validated chronic condition ${ }^{2}$ | $\begin{gathered} 35.3 \\ {[35.1,35.4]} \end{gathered}$ | $\begin{gathered} 35.7 \\ {[35.5,35.8]} \end{gathered}$ | $\begin{gathered} 35.5 \\ {[35.4,35.6]} \end{gathered}$ |
| 1 condition | $\begin{gathered} 26.8 \\ {[26.7,27]} \\ \hline \end{gathered}$ | $\begin{gathered} 27.5 \\ {[27.4,27.7]} \\ \hline \end{gathered}$ | $\begin{gathered} 27.2 \\ {[27.1,27.3]} \\ \hline \end{gathered}$ |
| 2 conditions | $\begin{gathered} 18.3 \\ {[18.1,18.4]} \end{gathered}$ | $\begin{gathered} 17 \\ {[16.9,17.1]} \end{gathered}$ | $\begin{gathered} 17.6 \\ {[17.6,17.7]} \end{gathered}$ |
| 3 or more conditions | $\begin{gathered} 19.6 \\ {[19.5,19.8]} \end{gathered}$ | $\begin{gathered} 19.8 \\ {[19.7,19.9]} \end{gathered}$ | $\begin{gathered} 19.7 \\ {[19.6,19.8]} \end{gathered}$ |
| Note: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 2019. <br> Chi square test (difference between males and females) was $<.0001$ for all disease groups. ${ }^{1} 2016$ Canadian Census. ${ }^{2}$ Chronic Kidney Disease, Chronic Obstructive Pulmonary Disease, Dementia, Depression, Diabetes Mellitus, Dyslipidemia, Epilepsy, Hypertension, Obesity, Osteoarthritis, Parkinson's Disease. |  |  |  |

Table A6: Sex-specific and age-standardized prevalence of multiple chronic conditions in children

|  | Male <br> $(\mathrm{n}=135,267)$ | Female <br> $(\mathrm{n}=131,130)$ | All <br> $(\mathrm{n}=266,397)$ |
| :--- | :---: | :---: | :---: |
|  | Prevalence <br> (age standardized ${ }^{1}$ ) | Prevalence <br> (age standardized ${ }^{1}$ ) | Prevalence <br> (age and sex standardized ${ }^{1}$ ) |
|  | $\%$ <br> $[95 \% \mathrm{Cl}]$ | $\%$ <br> $[95 \% \mathrm{Cl}]$ | $\%$ <br> $[95 \% \mathrm{Cl}]$ |
|  |  |  | 77.6 |
| Without CPPSSN validated <br> chronic condition |  |  |  |
| 1 condition | 75.3 |  |  |
| $[74.8,75.8]$ | $[79.5,80.5]$ | $[77.3,77.9]$ |  |
| $2-3$ conditions | 22.9 | 22.9 | 20.9 |
| $[22.6,23.1]$ | 1.8 | $[22.6,23.1]$ | 1.3 |
| $[20.7,21]$ |  |  |  |

Note: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 2019.
Chi square test (difference between males and females) was <. 0001 for all disease groups.
${ }^{1} 2016$ Canadian Census. ${ }^{2}$ Asthma, Diabetes Mellitus, Obesity.

Table A7: Median number of primary care service days between Jan 1, 2019 and Dec 31, 2019 in adults

|  | $\begin{gathered} \text { Male } \\ (\mathrm{n}=493,777) \end{gathered}$ |  |  | $\begin{gathered} \text { Female } \\ (\mathrm{n}=641,203) \end{gathered}$ |  |  | $\begin{gathered} \text { All } \\ (n=1,134,980) \end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \end{gathered}$ | Range | Median | $\begin{gathered} \hline \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \end{gathered}$ | Range | Median | $\begin{gathered} \hline \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \end{gathered}$ | Range | *p-value |
| Without CPPSSN validated chronic condition ${ }^{1}$ | 0 | $\begin{gathered} 2 \\ (0,2) \end{gathered}$ | 102 | 1 | $\begin{gathered} 3 \\ (0,3) \end{gathered}$ | 140 | 1 | $\begin{gathered} 2 \\ (0,2) \end{gathered}$ | 140 | <0.0001 |
| 1 CPCSSN Condition | 1 | $\begin{gathered} 3 \\ (0,3) \\ \hline \end{gathered}$ | 171 | 2 | $\begin{gathered} \hline 4 \\ (0,4) \\ \hline \end{gathered}$ | 101 | 1 | $\begin{gathered} \hline 3 \\ (0,4) \\ \hline \end{gathered}$ | 171 | <0.0001 |
| 2 CPCSSN Conditions | 2 | $\begin{gathered} 4 \\ (0,4) \\ \hline \end{gathered}$ | 245 | 2 | $\begin{gathered} 5 \\ (0,5) \end{gathered}$ | 173 | 2 | $\begin{gathered} 4 \\ (0,5) \end{gathered}$ | 245 | <0.0001 |
| 3 or more CPCSSN Conditions | 3 | $\begin{gathered} 5 \\ (0,3) \\ \hline \end{gathered}$ | 299 | 3 | $\begin{gathered} 5 \\ (1,7) \end{gathered}$ | 237 | 3 | $\begin{gathered} 5 \\ (1,7) \end{gathered}$ | 299 | <0.0001 |
| Note: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 2019. <br> ${ }^{1}$ Chronic Kidney Disease, Chronic Obstructive Pulmonary Disease, Dementia, Depression, Diabetes Mellitus, Dyslipidemia, Epilepsy, Hypertension, Obesity, Osteoarthritis, Parkinson's Disease. |  |  |  |  |  |  |  |  |  |  |

*Wilcoxon rank sum test. The Wilcoxon rank sum tests for differences in the sum of ranks. With large samples it is possible that significant $p$ values can be calculated when the medians are equal and there are small differences in the sum of ranks between the groups. NB: the Wilcoxon rank sum test and Mann-Whitney are synonymous.
See: Introduction to SAS. UCLA: Statistical Consulting Group.
from https://stats.idre.ucla.edu/sas/modules/sas-learning-moduleintroduction-to-the-features-of-sas/ (accessed August 22, 2016). FAQ: Why Is The Mann-Whitney Significant When The Medians Are Equal?

Table A8: Median number of primary care service days between Jan 1, 2019 and Dec 31, 2019 in children

|  | $\begin{gathered} \text { Male } \\ (\mathrm{n}=135,267) \end{gathered}$ |  |  | $\begin{gathered} \text { Female } \\ (n=131,130) \end{gathered}$ |  |  | $\begin{gathered} \text { All } \\ (\mathrm{n}=266,397) \end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Median | $\begin{gathered} \hline \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \\ \hline \end{gathered}$ | Range | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \end{gathered}$ | Range | Median | $\begin{gathered} \text { IQR } \\ (\mathrm{Q} 1, \mathrm{Q} 3) \end{gathered}$ | Range | *p-value |
| Without CPPSSN validated chronic condition ${ }^{1}$ | 1 | 2 | 139 | 1 | 2 | 45 | 1 | 2 | 139 | <0.0001 |
| 1 CPCSSN Condition | 1 | 2 | 94 | 1 | 3 | 41 | 1 | 3 | 94 | <0.0001 |
| 2 or more CPCSSN Conditions | 1 | 3 | 23 | 1 | 3 | 23 | 1 | 3 | 23 | 0.0011 |
| Note: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, 2019. <br> ${ }^{1}$ Asthma, Diabetes Mellitus, Obesity. |  |  |  |  |  |  |  |  |  |  |

*Wilcoxon rank sum test. The Wilcoxon rank sum tests for differences in the sum of ranks. With large samples it is possible that significant $p$ values can be calculated when the medians are equal and there are small differences in the sum of ranks between the groups. NB: the Wilcoxon rank sum test and Mann-Whitney are synonymous.
See: Introduction to SAS. UCLA: Statistical Consulting Group.
from https://stats.idre.ucla.edu/sas/modules/sas-learning-moduleintroduction-to-the-features-of-sas/ (accessed August 22,
2016). FAQ: Why Is The Mann-Whitney Significant When The Medians Are Equal?

Table A9: Observed and sex-specific age-standardized prevalence of CPCSSN validated conditions in adults and children with at least one clinical encounter between Jan 1, 2018 and Dec 31, 2019

|  | $\begin{gathered} \text { Male } \\ (\mathrm{n}=629,044) \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { Female } \\ (\mathrm{n}=772.333) \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { All } \\ (n=1,401,377) \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total (observed) | Total (age standardized ${ }^{1}$ ) | Total (observed) | Total (age standardized ${ }^{1}$ ) | Total (observed) | Total (age and sex standardized ${ }^{1}$ ) |
|  | [95\% CI] ( $n / \mathrm{N}$ ) | [95\% CI] ( $\mathrm{n} / \mathrm{N}$ ) | [95\% CI] <br> ( $\mathrm{n} / \mathrm{N}$ ) | [95\% CI] ( $\mathrm{n} / \mathrm{N}$ ) | [95\% CI] ( $n / \mathrm{N}$ ) | [95\% CI] ( $n / \mathrm{N}$ ) |
| Adult |  |  |  |  |  |  |
|  | $\begin{gathered} \hline 5.0 \\ {[4.9,5.1]} \\ (24,786 / 493,777) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3.7 \\ {[3.6,3.7]} \\ (496,920 / 13,450,920) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5.4 \\ {[5.4,5.5]} \\ (34,859 / 641,203) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.6 \\ {[4.6,4.7]} \\ (660,932 / 14,260,795) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5.3 \\ {[5.2,5.3]} \\ (59,645 / 1,134,980) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.2 \\ {[4.1,4.2]} \\ (1,157,853 / 27,711,715) \\ \hline \end{gathered}$ |
| Chronic <br> Obstructive <br> Pulmonary <br> Disease | $\begin{gathered} 5.0 \\ {[4.9,5.1]} \\ (24,817 / 493,777) \end{gathered}$ | $\begin{gathered} \hline 4.1 \\ {[4.0,4.2]} \\ (552041 / 13,450,920) \end{gathered}$ | $\begin{gathered} \hline 4.0 \\ {[3.9,4.0]} \\ (25,527 / 641,203) \end{gathered}$ | 3.7 $3.6,3.7]$ $(522,455 / 14,260,795)$ | $\begin{gathered} \hline 4.4 \\ {[4.4,4.5]} \\ (50,344 / 1,134,980) \end{gathered}$ | $\begin{gathered} \hline 3.9 \\ {[3.8,3.9]} \\ (1,074,496 / 27,711,715) \end{gathered}$ |
| Dementia | 2.4 $[2.3,2.4]$ $(11,794 / 493,777)$ | 1.5 $[1.5,1.5]$ $(188,850 / 13,450,920)$ | 2.7 $[2.7,2.8]$ $(17,519 / 641,203)$ | 2.2 $[2.1,2.2]$ $(307,451 / 14,260,795)$ | 2.6 $[2.5,2.6]$ $(29,313 / 1,134,980)$ | 1.9 $[1.9,1.9]$ $(529,325 / 27,711,715)$ |
| Depression | $\begin{gathered} \hline 18.3 \\ {[18.2,18.4]} \\ (90,184 / 493,777) \end{gathered}$ | $\begin{gathered} 18.4 \\ {[18.3,18.5]} \\ (2,473,680 / 13,450,920) \end{gathered}$ | $\begin{gathered} \hline 27.2 \\ {[27.1,27.3]} \\ (174,178 / 641,203) \\ \hline \end{gathered}$ | $\begin{gathered} 27.3 \\ {[27.2,27.4]} \\ (3895,275 / 14,260,795) \\ \hline \end{gathered}$ | $\begin{gathered} 23.3 \\ {[23.2,23.4]} \\ (264,362 / 1,134,980) \end{gathered}$ | $\begin{gathered} 23.0 \\ {[22.9,23.1]} \\ (6,368,955 / 27,711,715) \end{gathered}$ |
| Diabetes Mellitus | $\begin{gathered} 13.6 \\ {[13.5,13.6]} \\ (66,935 / 493,777) \\ \hline \end{gathered}$ | $\begin{gathered} 11.9 \\ {[11.8,12.0]} \\ (1,601,698 / 13,450,920) \\ \hline \end{gathered}$ | 10.1 $[10.0,10.2]$ $(64,866 / 641,203)$ | $\begin{gathered} 9.7 \\ {[9.6,9.7]} \\ (1,378,865 / 14,260,795) \\ \hline \end{gathered}$ | $\begin{gathered} 11.6 \\ {[11.5,11.7]} \\ 131,801 / 1,134,980) \\ \hline \end{gathered}$ | $\begin{gathered} 10.8 \\ {[10.7,10.8]} \\ (2,980,564 / 27,711,715 \\ \hline \end{gathered}$ |
| Dyslipidemia | 42.8 $[42.6,42.9]$ $(211,169 / 493,777)$ | 39.7 $[39.5,39.9]$ $(5,337,272 / 13,450,920)$ | 31.7 $[31.6,31.8]$ $(203,503 / 641,203)$ | 30.9 $[30.7,31.0]$ $(4,405,586 / 14,260,795)$ | 36.5 $[36.5,36.6]$ $(414,672 / 1,134,980)$ | 35.2 $[35.1,35.3]$ $(9,742,858 / 27,711,715)$ |
| Epilepsy | $\begin{gathered} 1.5 \\ 1.5,1.6] \\ (7,675 / 493,777) \\ \hline \end{gathered}$ | $\begin{gathered} 1.5 \\ {[1.5,1.6]} \\ (207,959 / 13,450,920) \\ \hline \end{gathered}$ | $\begin{gathered} 1.4 \\ {[1.4,1.5]} \\ (9,288 / 641,203) \\ \hline \end{gathered}$ | $\begin{gathered} 1.4 \\ {[1.4,1.5]} \\ (207,035 / 14,260,795) \\ \hline \end{gathered}$ | 1.5 $[1.5,1.5]$ $(16,963 / 1,134,980)$ | 1.5 $[1.5,1.5]$ $(41,4994 / 27,711,715)$ |
| Hypertension | $\begin{gathered} 26.0 \\ {[25.9,26.2]} \\ (128,586 / 493,777) \\ \hline \end{gathered}$ | $\begin{gathered} 22.7 \\ {[22.6,22.8]} \\ (3,053,350 / 13,450,920) \\ \hline \end{gathered}$ | $\begin{gathered} 23.1 \\ {[23.0,23.2]} \\ (14,7971 / 641,203) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 21.5 \\ {[21.4,21.6]} \\ (3,069,475 / 14,260,795) \\ \hline \end{gathered}$ | 24.4 $[24.3,24.4]$ $(276,557 / 1,134,980)$ | $\begin{gathered} 22.1 \\ {[22.0,22.2]} \\ (5,49,6442 / 27,711,715) \\ \hline \end{gathered}$ |
| Obesity | 23.4 $[23.3,23.5]$ $(115,655 / 493,777)$ | $\begin{gathered} 23.0 \\ {[22.8,23.1]} \\ (3089,912 / 13,450,920) \\ \hline \end{gathered}$ | $\begin{gathered} 23.1 \\ {[23.0,23.2]} \\ (14,7921 / 641,203) \\ \hline \end{gathered}$ | $\begin{gathered} 23.2 \\ {[23.1,23.3]} \\ (3,306,818 / 14,260,795) \\ \hline \end{gathered}$ | $\begin{gathered} 23.2 \\ {[23.1,23.3]} \\ (263,576 / 1,134,980) \\ \hline \end{gathered}$ | $\begin{gathered} 23.1 \\ {[2300,23.2]} \\ (6,39,6730 / 27,711,715) \\ \hline \end{gathered}$ |
| Osteoarthritis | $\begin{gathered} \hline 9.3 \\ {[9.2,9.4]} \\ (45,805 / 493,777) \\ \hline \end{gathered}$ | $\begin{gathered} 7.8 \\ {[7.8,7.9]} \\ (1,056,016 / 13,450,920) \\ \hline \end{gathered}$ | 11.7 $[11.6,11.6)$ $(74,810 / 641,203)$ | $\begin{gathered} \hline 10.9 \\ {[10.8,10.9]} \\ (1,549,313 / 14,260,795) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10.6 \\ {[10.6,10.7]} \\ (120,615 / 1,134,980) \\ \hline \end{gathered}$ | $\begin{gathered} 9.4 \\ {[9.4,9.5]} \\ (2,605,330 / 27,711,715) \\ \hline \end{gathered}$ |
| Parkinson's Disease | $\begin{gathered} \hline 0.6 \\ {[0.6,0.6]} \\ (2,938 / 493,777) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.4 \\ {[0.4,0.5]} \\ (59,810.8 / 13,450,920) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.4 \\ {[0.4,0.4]} \\ (2,386 / 641,203) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.3 \\ {[0.3,0.3]} \\ (46,208.8 / 14,260,795) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.5 \\ {[0.5,0.5]} \\ (5,324 / 1,134,980) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.4 \\ {[0.4,0.4]} \\ (106,020 / 27,711,715) \\ \hline \end{gathered}$ |
| Pediatric |  |  |  |  |  |  |
| Asthma | 19.6 $[19.4,19.9]$ $(26,574 / 135,267)$ | 19.8 $[19.6,20.1]$ $(756,137 / 3,183,300)$ | 15.6 $[15.4,15.8]$ $(20,489 / 131,130)$ | 15.7 $[15.5,15.9]$ $(569,506 / 3,626,720)$ | 17.7 $[17.5,17.1]$ $(47,063 / 266,397)$ | 17.8 $[17.7,18.0]$ $(1,325,643 / 7,440,020)$ |
| Diabetes Mellitus | $\begin{gathered} \hline 0.4 \\ {[0.4,0.4]} \\ (531 / 13,5267) \\ \hline \end{gathered}$ | 0.4 $[0.4,0.4]$ $(15,459.2 / 3,183,300)$ | $\begin{gathered} \hline 0.5 \\ {[0.4,0.5]} \\ (604 / 131,130) \\ \hline \end{gathered}$ | 0.46 $[0.43,0.50]$ $(16863.4 / 3,626,720)$ | $\begin{gathered} 0.43 \\ {[0.40,0.45)} \\ (1135 / 266,397) \\ \hline \end{gathered}$ | 0.4 $[0.4,0.5]$ $(32,322.7 / 7,440,020)$ |
| Obesity | 6.2 $[6.1,6.3]$ $(8,405 / 135,267)$ | 6.3 $[6.2,6.5]$ $(241,657 / 3,183,300)$ | 5.1 $[4.9,5.2]$ $(6,634 / 131,130)$ | 5.1 $[5.0,5.2]$ $(184,513 / 3,626,720)$ | 5.6 $[5.6,5.7]$ $(15,039 / 266,397)$ | 5.7 $[5.6,5.8]$ $(42,6170 / 7,440,020$ |
|  | $\begin{gathered} 5.0 \\ {[4.9,5.1]} \\ (24,786 / 493,777) \\ \hline \end{gathered}$ | 3.7 $[3.6,3.7]$ $(496,920 / 13,450,920)$ | 5.4 $[5.4,5.5]$ $(34,859 / 641,203)$ | 4.6 $[4.6,4.7]$ $(660,932 / 14,260,795)$ | 5.3 $[5.2,5.3]$ $(59,645 / 1,134,980)$ | 4.2 $[4.1,4.2]$ $(1,157,853 / 27,711,715)$ |
| Note: Data source: Canadian Primary Care Sentinel Surveillance Network, Q4-2019. Patients with at least 1 clinical encounter between Jan 1, 2018 and Dec 31, $2019 .{ }^{1} 2016$ Canadian Census. |  |  |  |  |  |  |

