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Assessment of Respiratory Disorders In Relation to Solution Gas Flaring Activities in Alberta

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Executive Summary

Alberta Health conducted a study of health data, socioeconomic and environmental factors including solution gas flaring activity in response to concerns raised through the Clean Air Strategic Alliance (CASA).

The study involved information for the period 1994 to 1996 on population demographics, physician claims and hospitalizations collected from Alberta Health databases. This information was compared to data on flaring activities obtained from the Alberta Energy and Utilities Board (AEUB). The health disorders investigated were asthma, bronchitis, pneumonia and respiratory infections. The age-standardized rate of physician claims and hospitalizations were estimated for each postal code area in the province. Figure E-1 shows an example of the data on flaring activities and physician claims for asthma mapped at the postal code level.

The analysis of these maps found no significant correlation between flaring activities and physician claims for asthma. The following scatter plot (Figure E-2) provides another look at the correlation between the volumes of gas flared and the rate of physician claims for asthma in the same postal code. Again, the analysis of the data showed no correlation between solution gas flaring and the rate of physician claims for asthma.

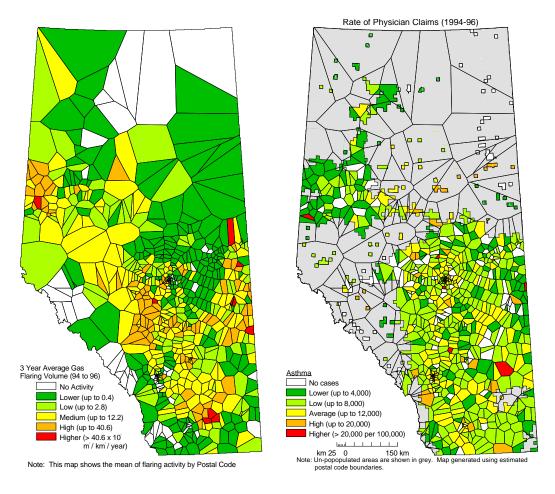


Figure E-1 3-Year Average of Flaring Volume and the Rate of Physician Claims for Asthma

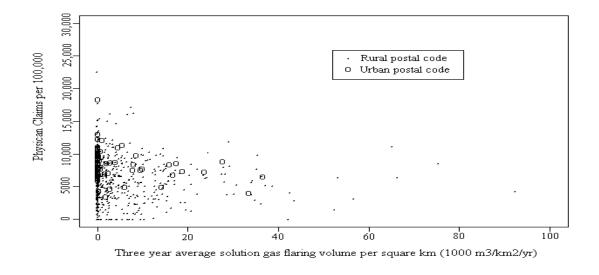


Figure E-2 Plot of Physician Claims for Asthma vs. Solution Gas Flaring Activities

Overall, no correlation at the postal code level was found between the 3-year average solution gas flaring volume and the rate of physician claims or hospitalizations for any of the respiratory disorders examined, regardless of the rural-urban status, ethnicity, entire population or children only. The urban/rural status and ethnicity were shown to be important contributing factors to the variations in the rates of the health disorders examined independent of flaring.

There are several limitations to this study that must be remembered when drawing conclusions. The lack of a positive correlation does not exclude the possibility of human health effects below the detection limit of this type of study. The detection limit of this analysis was investigated and upper respiratory infections proved the most sensitive disorder for detecting flaring effects with only a 1.88% increase in claims required for detection. That is, the smallest flaring effect detected with this analysis would require at least a 1.88% increase in claims for upper respiratory infection that must be distributed according to flaring levels. The three other disorders investigated proved less sensitive with asthma requiring a 10.6% increase, bronchitis 10.9% and pneumonia a 13.3% increase to be detectable. The smallest detectable flaring effect would result in less than 10 additional physician claims amongst 1000 average rural residents for all the disorders investigated. The limitations of this study are discussed in detail in the attached report.

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1. Introduction

This report describes work undertaken to compare existing data on human health outcomes with flaring activities and other socioeconomic and environmental factors. The motivation behind this was the common concern that flaring of solution gas has had a negative impact on human health. The work was initiated by the Flaring Working Group of the Clean Air Strategic Alliance (CASA) and was intended to satisfy the following terms of reference:

- Review and summarize existing information on the impacts of flaring on humans, animals, and the environment.
- Collect and analyze population, human, and animal health data surrounding flaring facilities.

This report contains only the human health related issues of the tasks.

The general approach comprised a plan to investigate, at a small area level (i.e. postal code level), geographical variations in human health disorders compared to geographical variations of socioeconomic and environmental factors. The plan was to gather data from 1989-96 and evaluate long term average conditions and changes over the time period investigated.

The present study focused on the assessment of the relationship between selected human health disorders (Asthma, bronchitis, pneumonia and upper respiratory infections) and solution gas flaring activities, with additional attention paid to rural/urban status and aboriginal populations for 1994 to 1996.

2. Methods

2.1 Rationale of Analysis

Data on human health disorders were derived from a study of physician billing practices on the assumption that these practices approximate the occurrence of the health disorder. This study used the rate of physician claims as an estimate of prevalence of health disorders.

The rational for the analysis performed was based on the assumption that a impact on human health caused by flaring activities would be manifested by:

- 1. people experiencing new health disorders,
- 2. a recurrence of a previous health disorder, or
- 3. an increase in severity of an existing condition.

All of which would be reflected in physician and hospital visits. Alberta Health collected information on all visits for billing purposes and can establish geographical distribution of the visits based on individuals addresses. Proper analysis of this data could identify impacted areas if the negative impacts from flaring were significant over the random geographical variation of physician visit rates. Physician billing practices and how they reflect health disorders may vary geographically and will add to the "background noise" of the data. In order for any negative impacts from flaring to be identified in this analysis the increase in the rate of physician visits would have to be large enough to be distinguished over this "background noise".

2.2 Data and Data Sources

Alberta health maintains data on demographics and health and AEUB maintains data on flaring activities. Three types of data were made available for the analysis, including:

- 1. Demographic information from the Alberta Health Care Insurance Plan (AHCIP), 1994-1996, including population counts by sex, age group, rural-urban status, and ethnicity (aboriginal or non-aboriginal);
- 2. Data on health outcomes from Physician Claims and Hospital Morbidity,1994-1996; and
- 3. Environmental data from the AEUB including annual flaring volumes from 1989-1996 and monthly volumes for 1996.

2.3 Geographic Unit of Analysis

In this type of study, personal exposure to flaring emissions was estimated by physical proximity to the source of the emissions. The postal code was the smallest geographic unit available and was chosen as the unit of analysis in order to best estimate proximity to flaring emissions. Note that exposure estimates based on proximity carry some lack of precision. Other work has shown that personal exposure to air pollutants is very difficult to characterize, with the most reliable method being actual measurements (Alberta Health, 1997). However, there is limited personal exposure data available and collecting additional data for this study was impractical.

Most flaring activities in the province occur in rural areas and accordingly a rural-area "optimized postal code" was developed as the basic unit for all subsequent analyses. The optimized postal code was created by aggregating postal codes in the urban area to the first three digits while keeping the complete postal codes in the rural area. A total of 789 optimized postal codes were generated from 61,366 original postal codes recorded in the

AHCIP database during 1994 and 1996. This large reduction in the number of postal codes reflects the fact that most of the 61,366 postal codes are in the cities.

Mapping of gas flaring and health outcomes at postal code level requires the postal code boundaries which are not available. Estimated optimised postal code boundaries were obtained using the approximate locations of the centre of the postal codes from Statistics Canada (1996). This was accomplished by translating the file containing approximate postal code centres into a dBase format and loading it into SPANS 6. The boundaries were estimated using the Voronoi function, which creates a line mid-way between every pair of points in the file. The resulting boundaries are shown in Figure 2-1 and represent roughly the areas of the individual postal code.

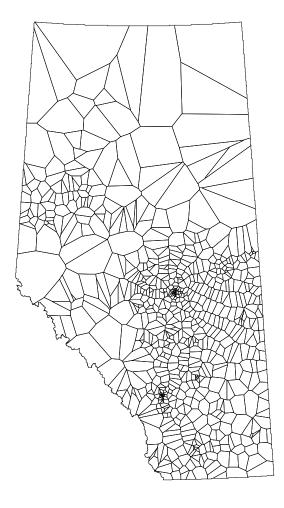


Figure 2-1 Estimated Boundaries of Optimized Postal Codes in Alberta

2.4 Exposure Assessment

The average volume of gas flared per square kilometer in a postal code was selected as the measure of solution gas flaring activities. These values were obtained by the following steps:

- 1. Data on locations and volumes of all solution gas flares in the province was obtained from the AEUB and mapped with a GIS package (see Figure 2-2).
- 2. A surface was generated over the entire province representing the volume of gas flared per square kilometer from all the flares combined. This was done by spreading the

- volume of gas from each individual flare over a circle of radius 2.8 km and overlaying all the circles combining any areas of overlap.
- 3. The estimated postal code boundaries (Figure 2-1) were overlaid on the flaring volume surface (Figure 2-2) and the average value of the surface within each postal code was determined.
- 4. The postal code areas with the assigned flaring levels are shown in Figure 2-3.

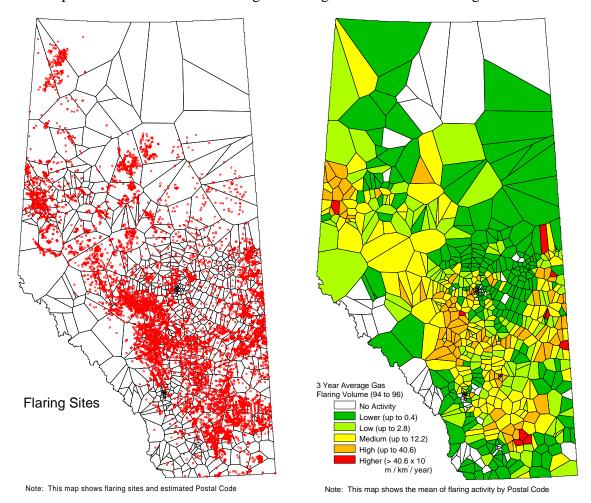


Figure 2-2 A Map of Solution Gas Flares from the AEUB Data

Figure 2-3 Estimated Postal code Areas with the Assigned Flaring Level

2.5 Measurement of a Health Outcome

The two health measures defined for this study were the rate of physician claims and the rate of hospitalization. Although the incidence rate (the number of new cases over a given time in population at risk) would have been of most value for the risk quantification from exposure, its estimation from the administrative data was not possible given the present nature of the data. Thus prevalence rates, as follows, were used:

1) Rate of physician claim (RPHYS): Total number of physician claims for a given disease in a postal code during 1994 and 1996 per 100,000 population. It is calculated as

2) Rate of hospitalization (RHOSP): Total number of hospitalizations for disease in a postal code during 1994 and 1996 per 100,000 population. It is calculated as

The health data base used in this study had the capability of storing several levels of diagnosis (1st, 2nd, 3rd etc.) as there can be evidence of multiple health disorders for a claim. The primary diagnosis was listed as the 1st level. The health measures were made as sensitive as possible by including all claims that had the health disorder in question diagnosed at any level.

Table 2-1 provides the International Classification of Diseases (ICD) codes (ninth version) used for the study and the number of visits found for each respiratory disorder during 1994 and 1996 fiscal years. Also shown is the distribution of the claims between single and multiple visits.

Table 2-1 Distribution of Repeat Claims for Respiratory Disorders in Alberta, from March 1, 1993 to April 30, 1996

Disease Group	Total	1	2	3+	Range
(ICD9)	Claims	Claim	Claims	Claims	
Upper Resp.	5,042,364	55.0	22.8	23.0	1 - 214
Infections					
(460-469)					
Pneumonia	271,399	52.7	18.6	20.6	1 - 282
(480)					
Asthma	737,061	52.2	18.1	26.0	1 - 127
(493)					
Bronchitis	335,909	73.7	14.0	9.5	1 - 75
(490-491)					
All Resp. Disorders	7,519,453	57.1	20.4	20.4	1 - 282
(460-519)					

As shown in the table, the number of contacts with the health care system (health care providers/hospitals) can vary dramatically by person and disease with one year totals ranging from 1 to 282. Over 52 percent of individuals contacting the system during the study period only had one visit in a year. Usually, cases in severe conditions may have been hospitalized.

The rates were estimated for each postal code and for the whole province. Physician visit rates were also estimated for the population according to Aboriginal status and urban/rural

status. Table 2-2 shows the estimated rates for the respiratory disorders in question. All the rates were standardized to the 1991 Alberta age distribution. This process removes the potential impact from differences in the age structure across comparison groups.

Table 2-2 Standardized Rates (per 100,000 population) of Physician Claims for Selected Respiratory Disorders in Alberta, from March 1, 1993 to April 30, 1996.

	Rural	Area	<u>Urban Area</u>		
Disease Group (ICD9)			Non-		
	Aboriginal	Aboriginal	Aboriginal	Aboriginal	
All Resp. Disorders(460-519)	182,766	74,095	158,895	90,654	
Resp. Infections (460-469)	126,926	48,355	116,485	61,446	
Pneumonia (480)	9,895	2,977	6,130	2,969	
Asthma (493)	9,215	6,652	10,724	9,371	
Bronchitis (490-491)	15,603	4,716	7,690	3,328	

The estimated rates of physician claims for each health disorder at the postal code level were mapped and are shown in Figures 2-4 to 2-8. These maps show the pattern of physician claims rates through the province. A correlation is not apparent when comparing these maps to the map of flaring activities in Figure 2-3. Further discussion of these figures appears later in the results section (3.2.2 Geographic Distribution of Physician Claim for Respiratory Disorders).

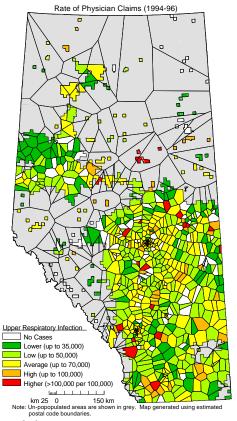


Figure 2-4 Physician Claim Rates for Upper Resp. Infection in Postal Code Areas

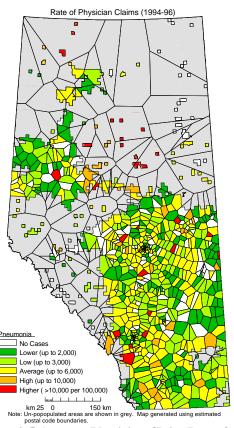


Figure 2-5 Average Physician Claim Rates for Pneumonia in Postal Code Areas

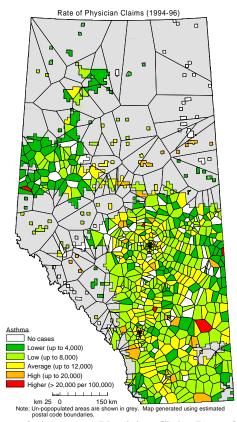


Figure 2-6 Average Physician Claim Rates for Asthma in Postal Code Areas

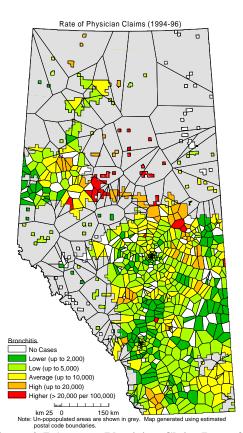


Figure 2-7 Average Physician Claim Rates for Bronchitis in Postal Code Areas

2.5.1 Comparison of Findings from the Present Study with Other Publications

Table 2-3a and 2-3b presents the rates of hospitalizations and physician claims or services for selected respiratory disorders from this study and other studies (Hessel at al., 1995; Green, 1996; Wang et al., 1996; Statistics Canada, 1995). Comparing the hospitalization rates (Table 2-3a) the present study shows slightly higher rates. However the discrepancy is explained by the other studies use of the primary diagnosis only, while the present study used all diagnostic levels. Table 2-3b shows that the rates of physician services reported by Hessel *et al.* (1995) and Green *et al.* (1996) were similar to each other and are roughly twice the rate of claims reported here and by Wang *et al.* (1996). This is as expected because a single physician claim often represents multiple services.

Table 2-3a Comparison of Calculated Hospitalization Rates to other Publications (rate per 100,000 annually)

Disease Group	Present	Hessel	Green	Strathcona	Statistics
	Study	(92-93)	(92-93)	(90-94)	Canada
Upper Resp. Infections	339	-	-	-	-
Pneumonia	397	-	-	-	307
Asthma	428	240	290	240	271
Bronchitis	119	-	-	70	93.5
All Resp. Disorders	2380	-	-	-	1648

Table 2-3b Comparison of Calculated Physician Claims and Service Rates to other Publications (rate per 100,000 annually)

Disease Group	Present	Hessel	Green	Strathcona	Statistics
	Study	(92-93)	(92-93)	(90-94)	Canada
	(claims)	(services)	(services)	(claims)	
Upper Resp. Infections	60,316	-	-	-	-
Pneumonia	3,116	-	-	-	-
Asthma	8,717	14,400	15,500	7,381	-
Bronchitis	3,883	-	-	4,768	-
All Resp. Disorders	89,056	-	-	-	-

2.5.2 Study Data Set

Appendix I contains the combined flaring and health data set generated for this study. The appendix shows the postal code name, location, estimated area, average flaring volume, and population. For each health disorder the appendix shows the number and standardized rate of hospitalizations and the number and standardized rate of total claims per year for each postal code. Data has been suppressed in the appendix for postal codes with populations less than five individuals.

2.6 Unlinked Data

A total of 958 obviously incorrect postal codes from the registration file were eliminated from the analysis. This accounts for 1.5 % of total postal codes recorded in the registration file during the three year period. The population count excluded from these postal codes was 2,676 for the study period.

As expected, the matching of postal codes from Alberta Health databases to flaring databases was not 100%. Overall, there were 732/868 of postal codes which matched between the registration file and the flaring file. The unmatched postal codes did not have a significant population and will have little impact on the findings of the study. A total of 57 postal codes from the registration file did not show up in the flaring database and 79 postal codes from the flaring database did not appear in the registration file (Table 2-4). These discrepancies were possibly due to typing errors, retired or new postal codes and some postal codes with no individuals assigned to them (i.e. businesses only). Only the

732 postal codes that matched from the Health data and flaring data were included in the analysis.

Table 2 - 4 Linkage between the Registration File and the Flaring File at the Optimized Postal Code Level

Flaring Database						
Registration File	Match	Non-Match	Total			
Match	732	57	789			
Non-Match	79	0	79			
Total	811	57	868			

 $Overall\ Agreement = 732/868*100 = 84.3\%\ matched\ postal\ codes$.

Most of the discrepancies found in postal code matching were explainable and there is confidence that the data sets were free of large systemic errors that would undermine the conclusions.

2.7 Statistical Analysis

Analysis of the distribution of the data found a skewed normal distribution with several outliers. Most of the outliers were attributed to postal codes with very low populations or claims totals. A correlation analyses which involved scatter plots and correlation coefficient (r) estimations were performed and 95 percent confidence intervals were also estimated. The rank-based Spearman's ρ measure of correlation was used, as it is less sensitive to outliers and non-normality compared to the standard Pearson estimate (Snedecor GW *et al.*, 1994). These analyses were done in a S-Plus software (StatSci, 1993). Also, the X^2 (Chi-Square) test were calculated in the SAS program (version 6.12,

SAS Institute, 1996) and used for comparisons of categorical variables such as rural or urban status. The level of significance is set to 0.05 for all statistical inference.

3. Results

3.1 Sociodemographic Characteristics of Study Population

3.1.1 Age Structure of Population by Rural-Urban Status and Ethnicity

The population data used in this study was generated from the Alberta Health Care Insurance Plan Registration File (AHCIP). The average population over the period of study was 2,822,054, including 88,418 (3.1%) people reporting of Aboriginal status and 2,733,636 (96.9%) non-Aboriginal (Table 3-1). Of the total population studied, 24.7 percent live in the rural area and the remaining (75.3%) were the urban residents. These proportions were slightly different from those 1991 figures reported by Statistics Canada (20.2% and 79.8%, respectively,1992). A much higher proportion of aboriginal people registered with the AHCIP lived in the rural area compared to the general population (61% vs. 23.5%, p < 0.001). During the study period, the registered population increased by 1%, from 2,806,709 in 1993/94 to 2,834,607 in 1995/96. The female to male ratio (1,416,545/1,418,062) in 1995/96 was close to one regardless of the rural-urban status and ethnicity.

Table 3-1 Average study Population by Ethnicity in Alberta, 1994-1996

		<u> </u>	<u> </u>	,
Status		Aboriginal	Non-Aboriginal	Total
Rural Area	n	53,920	643,202	697,122
	percent	61.0%	23.5%	24.7%
Urban Area	n	34,499	2,090,434	2,124,933
	percent	39.0%	76.5%	75.3%
Total		88,418	2,733,636	2,822,054

Chi-square Test for differences in the distribution: $X^2 = 64,591$, p < 0.001Source: Alberta Health Care Insurance Plan Registration File, 1994-96.

Table 3-2 shows the age structure of the population varied by rural-urban status and ethnicity. Compared to the urban residents, the rural residents showed a higher proportion of children (25.7% vs. 21.9.0%) and adolescents (14.8% vs. 13.8%) but a lower proportion of people aged 25-44 (30.2% vs. 35.2%). This pattern was true for both the non-Aboriginal and Aboriginal people.

Differences between the non-Aboriginal and Aboriginal population structure were large. The proportions of Aboriginal people ages 0-14 and 15-24 years were about 1.7 and 1.3 times of those non-Aboriginal of corresponding age groups. In contrast, proportions of older age groups in Aboriginal people were much lower, especially in those aged 65-74 (1.5% vs. 5.9%) and 75 years and over (0.7% vs. 4.4%). All these differences were statistically significant (p < 0.05).

Table 3-2 Population Age Distribution by Rural-Urban Status and Ethnicity in Alberta, 1995/96

AI	Ainer ta, 1993/90							
Age	Rui	ral Populati	on	Urb	an Populati	on	Total	
Group	Non-Native	Native	All	Non-Native	Native	All	Population	
Number								
0-14	149,702	22,110	171,812	462,389	13,175	475,564	647,376	
15-24	89,038	9,984	99,022	292,168	6,234	298,402	397,424	
25-44	185,967	15,591	201,558	751,020	12,175	763,195	964,753	
45-64	117,496	5,937	123,433	412,001	3,505	415,506	538,939	
65-74	39,044	983	40,027	122,876	367	123,243	163,270	
75 +	31,151	537	31,688	90,138	135	90,273	121,961	
Unknown	156	0	156	726	2	728	884	
Total	612,554	55,142	667,696	2,131,318	35,593	2,166,911	2,834,607	
Percent								
0-14	24.4%	40.1%	25.7%	21.7%	37.0%	21.9%	22.8%	
15-24	14.5%	18.1%	14.8%	13.7%	17.5%	13.8%	14.0%	
25-44	30.4%	28.3%	30.2%	35.2%	34.2%	35.2%	34.0%	
45-64	19.2%	10.8%	18.5%	19.3%	9.8%	19.2%	19.0%	
65-74	6.4%	1.8%	6.0%	5.8%	1.0%	5.7%	5.8%	
75 +	5.1%	1.0%	4.7%	4.2%	0.4%	4.2%	4.3%	
Unknown	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Note: Excluded 1,057 individuals with missing/incorrect postal codes

The differences in the age structure of the population between the rural and urban area and between Aboriginal people and the non-Aboriginal population underlines the need of the age-standardization when the rates for the entire population were compared between these groups.

3.1.2 Geographic Distribution of Population

The size of population in the optimized postal codes varied significantly, ranging from 1 to 186,784. The majority (90%) of postal code areas had a population size greater than 130 during the 3-year period (Table 3-3). Figure 3-1 displays the detailed geographic

distribution of the population in the province by township and community. The figure shows the areas in Northern Alberta and the parks with low population densities.

Table 3-3 Geographic Distribution of Study Population by Postal Code in Alberta, 1994-96

AIDC	1 ta, 1774-70			
Basic	1994	1995	1996	1994-96
Statistics	(n = 752)	(n = 762)	(n = 752)	(n = 789)
Total Population	2,806,709	2,824,845	2,834,607	8,466,161
Mean	3,733	3,708	3,770	10,720
(SD)	(8,355)	(8292)	(8,345)	(24,507)
Quantiles- 5%	12	18	33	3
- 10%	77	69	97	135
- 25%	242	247	260	633
- 50%	672	681	714	1,948
- 75%	2,330	2,327	2,501	6,778
- 90%	11,170	10,966	10,922	29,614
- 95%	22,271	21,535	22,049	63,202
Range	1 - 62,880	1 - 61,881	1 - 62,023	1 - 186,784

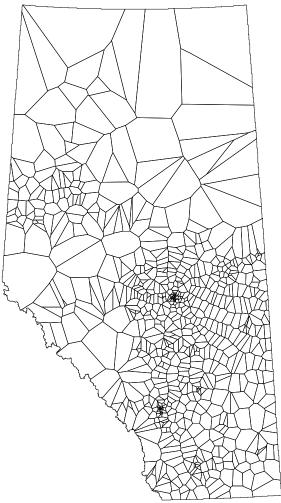


Figure 3-1 The Geographic Distribution of the Population of Alberta by Township and Community

3.2 Respiratory Disorders in Alberta, 1994-1996

3.2.1 Distribution of Respiratory Disorder by Rural-Urban Status and Ethnicity

Table 3-4 presents the rate ratio (RR) of physician claims for the selected respiratory disorders by rural-urban status and ethnicity. The rural-urban differences in rates of physician claims varied by ethnicity. For Aboriginal people, the rate in the rural area was higher for all disease groups but asthma with bronchitis (RR=2.03) and pneumonia (1.61)

showing the largest differences. For the non-Aboriginal population, the rate in the rural area was lower for respiratory infections (RR=0.79) and asthma (RR=0.71), the same for pneumonia (RR=1.00), and higher for bronchitis (RR=1.42). All the comparisons were statistically significant (p<0.05) except for RR=1.00. These findings suggest that the rate of physician claims for most of the respiratory disorders in the rural and urban area was significantly dependent on ethnicity. In discussion of the rural-urban variations of these disorders, the effect of ethnicity will be accounted for.

Table 3-4 Rate Ratios of Physician Claims Rates for Selected Respiratory Disorders in Alberta, from March 1, 1993 to April 30 1996

Disease Group (ICD9)	Ratio of Aboriginal / Non-Aboriginal		Ratio of R	Rural / Urban
			Aboriginal	Non-Aboriginal
All Resp. Disorders(460-519)	2.47	1.75	1.15	0.82
Resp. Infections (460-469)	2.62	1.9	1.09	0.79
Pneumonia (480)	3.32	2.06	1.61	1.00
Asthma (493)	1.39	1.14	0.86	0.71
Bronchitis (490-491)	3.31	2.13	2.03	1.42

^{*} All rate ratios are statistically significant (p<0.05) except for RR=1.00

The rates of physician claims for Aboriginal people were higher than the non-Aboriginal population, especially in the rural area. In the rural area, the rate for Aboriginal people was 147% higher for all respiratory disorders (RR=2.47), 162% higher for upper respiratory infections, 232% higher for pneumonia, 39% higher for asthma, and 231% higher for bronchitis. This pattern was similar but to a lesser extent in the urban area with the largest ratios being for bronchitis (RR = 2.31) and pneumonia (RR=2.06).

Findings from this section suggest the importance of the rural-urban status and ethnicity for this study, and possibly others, for respiratory disorders.

3.2.2 Geographic Distribution of Physician Claim for Respiratory Disorders

As described earlier, Figure 2-3 showed the distribution by postal code of flaring activities in the province while Figures 2-4 to 2-7 showed maps of the rate of physician claims for respiratory disorders. A visual comparison of the maps found no obvious correlation between areas of high flaring activity and higher rates of physician claims.

The postal codes of higher physician claims rates did coincide somewhat with areas of higher Aboriginal populations such as Morley, Wabasca, Lac La Biche, and Hobbema.

3.3 Examination of Association between Health Outcomes and Explanatory Variables

To further examine the association between the health outcomes and the flaring activity, scatter plots were generated. Figure 3-2 is an example of the scatter plots of the data generated with flaring activity on the x axis and rate of physician claims or hospitalizations on the y axis. An effort was made to factor out the effects of rural/urban and Aboriginal status by plotting different sub-sets of the data for each disease. Each figure includes: (a) physician claims rate in both the rural and urban areas for the Aboriginal and non-Aboriginal combined population, (b) the rate of hospitalizations in both the rural and urban areas for the whole population, (c &d) physician claims rate in the rural area only for the Aboriginal and non-Aboriginal population separately, and (e & f) physician claims rate in

the rural area only for children of the aboriginal and non-aboriginal origin. This approach was used in an attempt to have a sensitive yet comprehensive evaluation of the association.

All postal code areas that matched with the registration population file and flaring data were included in the initial evaluation, resulting in 732 optimized postal codes for the correlation analysis. To improve the view of the relationship, a few outliers with low flaring activity were removed from the display. Postal codes removed include five points for respiratory infections, two points for pneumonia, six points for asthma, and four points for bronchitis. These outliers were mostly due to those postal codes areas with very small population (less than five) or a small number of observations (less than two).

3.3.1. Upper Respiratory Infections

Figure 3-2 shows the scatter plots between upper respiratory infections and the solution gas flaring volume. There did not appear to be an obvious correlation between the flaring activity and the rates of physician claims/hospitalizations for respiratory infections, regardless of measure of health outcomes (physician claims or hospitalizations), the rural-urban status, and ethnicity when looking at the whole population or children only. All correlations were virtually zero (all r's <0.05) and none being statistically significant. This indicates that there was no detectable relationship between upper Respiratory Infections and flaring.

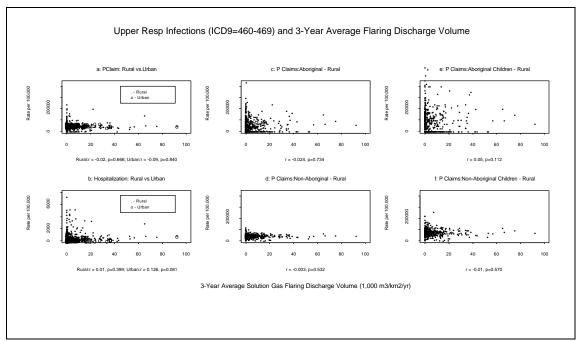


Figure 3-2 Plots of Upper Respiratory Infections (ICD9=460-469) vs. Average flaring Volumes

Figure 3-2a & b shows the rates of physician claims/hospitalizations in the rural and urban area. As shown, most of the postal code areas had a rate of physician claims below 90,000 per 100,000 population. The rate of hospitalization is lower than that of physician claims with slightly more variability. No correlation was found between the flaring volume and the rates of physician claims/hospitalizations for respiratory infections in both the rural and urban areas.

Figure. 3-2c & d shows the rate of physician claims in the rural area for the Aboriginal and non-Aboriginal population separately. It shows that the rate for Aboriginal people was generally higher than that of the non-Aboriginal population. All the postal codes with extremely high physician claims rates could be attributed to the Aboriginal fraction of the

population. There was no obvious relationship between solution gas flaring activities and the rate of physician claims.

Figure 3-2e & f presents the rates of physician claims in the rural area for children (0-14 years) which are usually more sensitive to respiratory disorders than the adult population. These figures show the same result as the general population. Some of the rates for aboriginal children were unstable due to small populations or few claims and accordingly caution should be used when interpreting the results (this is common to all health disorders investigated).

3.3.2. Pneumonia

Figure 3-3 shows the scatter plots of physician claims/hospitalization rates for pneumonia versus the 3-year average solution gas flaring activity. Similar to respiratory infections, there appeared to be no correlation between the solution gas flaring volume and the rates of physician claims or hospitalizations for pneumonia, regardless of the measure of health outcomes, the rural-urban status, and ethnicity when looking at the whole population or children only. The positive correlation coefficients were less than 0.04 for all correlation estimates and none were significantly different from zero (p=0.05).

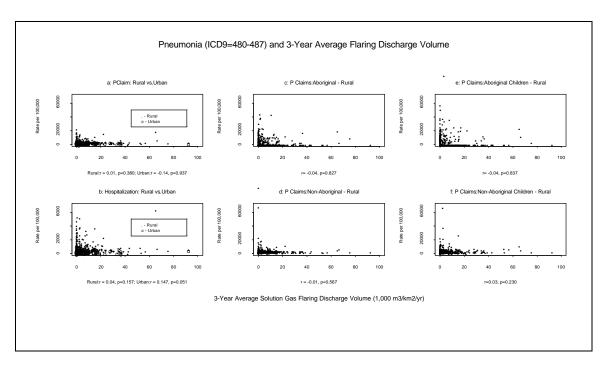


Figure 3-3 Plots of Pneumonia (ICD9=480-487) vs. Average flaring Volumes

Some of the rates for aboriginal children were unstable due to small populations or few claims and accordingly caution should be used when interpreting the results.

3.3.3. Asthma

Asthma is an allergic condition which has drawn much attention in studies of environmental epidemiology (NRBS ref). Figure 3-4 shows the scatter plots of physician claims/ hospitalization rates of asthma versus the 3-year average solution gas flaring activity. No correlation was suggested by any of the six plots when considering physician claims or hospitalizations, the rural or urban area, Aboriginal or non-Aboriginal origin, and children or the entire population. All of the estimated correlation coefficients were essentially zero (< 0.04), and none were significantly different from zero (p<0.05). It was also evident that the rate of physician claims in the rural area for Aboriginal people was

higher than the non-Aboriginal population, and the rate of physician claims for children was higher than for the entire population. These observations agreed with those shown in Table 3-4 earlier and those found by others (Hessel et al., 1996). Although not shown clearly, the rates of physician claims/hospitalizations for asthma in the rural area was in general lower than those in the urban area which also agrees with other studies.

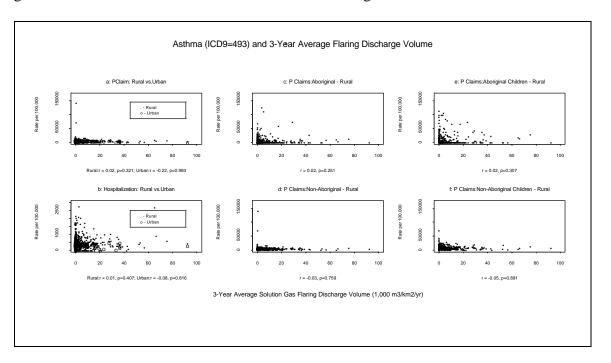


Figure 3-4 Plots of Asthma (ICD9=493) vs. Average flaring Volumes

3.3.4. Bronchitis

The diagnosis of bronchitis included in this study is primarily of the chronic nature. Figure 3-5 shows the scatter plots of physician claims/hospitalization rates for bronchitis versus the 3-year average solution gas flaring activity. Like patterns of other disorders discussed earlier, no relationship between health and flaring was suggested from any of the six plots, regardless of rural-urban status, and ethnicity, or age (children only or the entire population). None of the estimated correlation coefficients were found to be positive and

none significantly different from zero (p=0.05). These observations agree with those shown in the earlier Table 3-4 and the literature (NRBS ref).

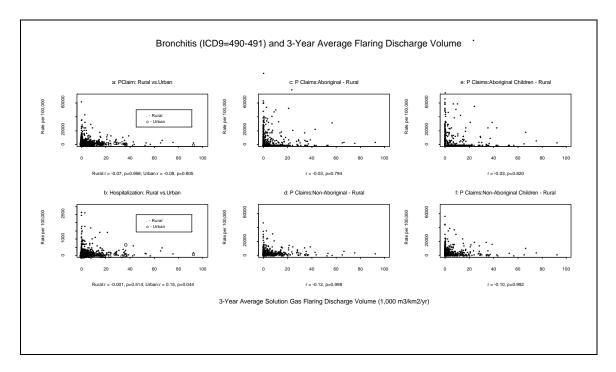


Figure 3-5 Plots of Bronchitis (ICD9=490-491) vs. Average flaring Volumes

3.4 Correctional Analysis between Rate of Physician Claims and Hospitalizations

Analysis was done to investigate the relationship between the rate of physician claims and hospitalizations as an estimate of validity. Figure 3.6 shows the scatter plot of the rate of physician claims and hospitalizations for the disorders under study. The correlation coefficients and the 95 percent confidence interval (95%CI) was also calculated. Generally the rate of physician claims was moderately correlated with the rate of hospitalizations. The correlation was relatively stronger for pneumonia (r = 0.56), asthma (r = 0.50) and bronchitis (r = 0.47, p < 0.01), but weaker for respiratory infections (r = 0.29). As indicated by the 95%CI, all of the correlation coefficients were statistically significant (p < 0.05).

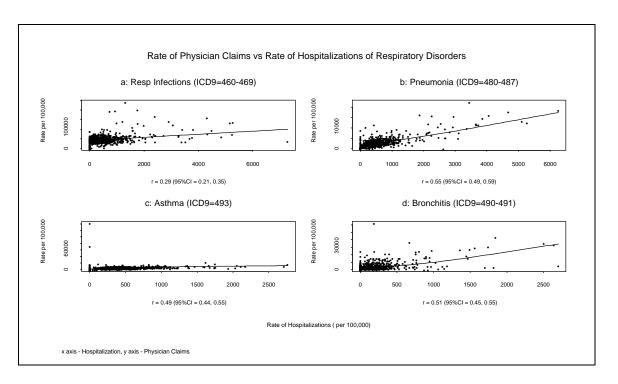


Figure 3-6 Plots of the Rates of Physician Claims vs. Hospitalizations for the Selected Respiratory Disorders

3.5 Sensitivity of the Analysis

The previous analysis found no significant correlation between flaring activities and the health disorders investigated. This indicates that any effects of flaring on these health disorders is below the detection limit of the methods that were used. This limit of detection defines the magnitude of the effect that could be present but remain unidentified. This part of the investigation is thus limited to an evaluation of the level of effect that can be reliably detected.

The approach taken to quantify this limit of detection was to answer the question, "given the characteristics of these data, what is the smallest flaring effect that could be identified as a statistically significant correlation in this analysis"? To answer this question, a

hypothetical flaring effect was applied to the postal code claims rates which resulted in an artificial increase in the claims rate of each postal code in comparison to the level of flaring that actually took place. This superimposed effect was adjusted until the correlation between the health disorder and the flaring activity became just significantly positive (p=0.05).

The Figures 3-7a and 3-7b demonstrates a superimposed flaring effect on upper respiratory infection claims rates in the rural non-aboriginal population by postal code. Figure 3-7a plots the unadjusted claims rates and Figure 3-7b shows the superimposed flaring effect of 1.60% (increase in claims rate per 1000 m³/km²/yr) required for a significantly positive increase in the trend. The total increase in the number of claims associated with this adjustment would be 5,855 which is a 1.88% increase. That is, for a significant flaring effect to be detected with this analysis, at least 5,855 additional claims for upper respiratory infection must occur in the rural non-aboriginal population and be distributed according to flaring levels. In terms of rate per 1000 people, this means 9 claims in addition to the 483 expected annually.

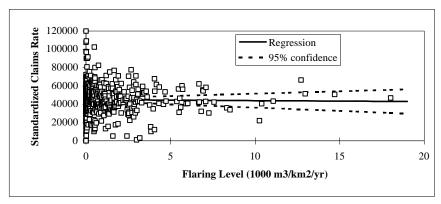


Figure 3-7a Regression Plot of Upper Respiratory Infections for Rural Non-Aboriginal postal codes, No Superimposed Flaring Effect

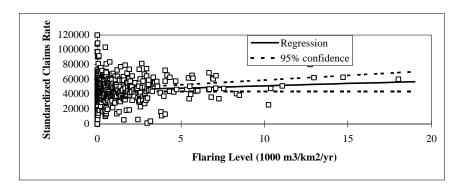


Figure 3-7b Regression Plot of Upper Respiratory Infections for Rural Non-Aboriginal postal codes, Superimposed Flaring Effect of 1.60% increase in claims rate per 1000 m³/km²/yr Gas Flared

Table 3-5 shows the results of the sensitivity analysis for the other respiratory disorders investigated in this analysis. The table shows that upper respiratory infections were the most sensitive disorder for detecting flaring effects with only a 1.88% increase in claims required. The three other disorders investigated proved less sensitive with asthma needing a 10.6% increase, bronchitis 10.9% and pneumonia a 13.3% increase to be detectable. While the percentage increases are much large for the latter disorders, the table shows the actual additional claims in a average postal code of 1000 people are less than the number

needed for the more sensitive upper respiratory infections. This is because the sensitivity is dependent on how prevalent the physician claims are for the disorder. Physician claims for upper respiratory infection are roughly 10 times more numerous than the other disorders investigated and accordingly it has the highest sensitivity.

Table 3-5 The Smallest Flaring Effects that are Detectable in this Analysis and the Associated Claims Increases for Rural non-Aboriginal Postal Codes.

Health	Total Annual	Smallest Detectable	Annual	Percent	Additional
Disorder	Claims	Flaring Effects	Increase in	Increase	Claims in an
	Among	(% increase in claims	Claims Due to	in Claims	Average Postal
	Population	rate per $10^3 \text{m}^3/\text{km}^2/\text{yr}$)	Smallest	Annually	Code of 1000
	Group		Detectable		People
			Effects		
Asthma	42,915	9.25%	4,531	10.6%	7.1
Bronchitis	30,516	9.60%	3,334	10.9%	5.1
Pneumonia	19,367	12.6%	2,575	13.3%	3.4
Upper Resp. Infections	311,774	1.60%	5,855	1.88%	9.1
All Respiratory	477,564	2.70%	14,713	3.08%	22.8

This provides a good feel for the level of flaring effect that could be detected in this type of analysis and alternatively the magnitude of the effect that could be present but undetected.

4. Strength and Limitations

4.1 Strengths

• Use of the postal code as the unit of analysis was a strength for this type of study because the smaller unit of analysis makes the relationship of proximity to actual

exposure stronger. Also, the numerous data points that resulted from using the smaller unit of analysis enabled a lower detection limit. This was the first ecological study to date exploring the relationship between the environment and the health outcomes in Alberta at postal code level.

- Multiple measures of correlation between the health outcomes and the flaring activities increased the validity of study. This study used rate of physician visits in the rural and urban area for the entire population, in the rural area for the Aboriginal and non-Aboriginal population, and in the rural area for children of Aboriginal and non-Aboriginal origin, as well as the rate of hospitalization in the rural and urban area. Limitations of each single measure were compensated by using these measures together. None of these measures were found to be correlated with the solution gas flaring activity.
- Cases from all diagnostic levels (1st, 2nd, 3rd, etc.) were used in the study maximizing the capture of possible "cases".
- Upper respiratory infections were the most sensitive disorder for detecting flaring effects with only a 1.88% increase in claims required. That is, the smallest significant flaring effect detected with this analysis requires at least a 1.88% increase in claims for upper respiratory infection that must and be distributed according to flaring levels.

 The three other disorders investigated proved less sensitive with asthma needing a 10.6% increase, bronchitis 10.9% and pneumonia a 13.3% increase to be detectable.

The smallest detectable flaring effect would result in less than 10 additional physician claims amongst 1000 average rural residents for all the disorders investigated.

4.2 Limitations

- This type of study is limited by the phenomenon known as ecological fallacy.
 Ecological fallacy refers to the false association observed between variables at an aggregate level which is not necessarily true at the individual level. Thus any association observed in this study may not represent a relationship at the individual level.
- The study used physician claims administrative data as a surrogate indicator of health effects. By using this data the actual health effects may be confounded by geographical variations in physician billing practices.
- An important limitation was the characterization of exposure to air pollutants. In this study proximity to flaring activity at the postal code level was assumed to represent exposure to flaring emissions. This is not always accurate and can result in individuals who are not actually exposed to flaring emissions counted as exposed and individuals who are actually exposed counted as unexposed. This may result in the dilution of any effect that may be due to flaring.
- The limitations of this study were such that site specific, or other impacts localized to an
 area smaller than the postal code may not be detected here.

- A minor limitation was the accuracy of the estimated postal code boundaries. This could
 have potentially confound the classification of an individual's claims data and the
 corresponding flaring activity level. The impact of this misclassification on the findings was
 considered to be minimal.
- Postal code accuracy and data linkage problem. Postal codes were not intended for the purposes in this study and some of their characteristics are problematic. There are cases of retired or new postal codes which cause difficulties in assigning people to these areas which can change historically. Despite all effort in data linkage, a total of 136 postal codes were still not linked in this report. Most of these unlinked codes had no population and only 2675 people (0.03%) were unlinked. This linkage problem did not have a significant impact on the finding.
- A potential misclassification of the rural-urban status of postal codes may have
 occurred due to the difficulty of precisely defining rural and urban areas. However the
 number of postal codes that may have so been missclassified is small.
- The estimated rates in some postal areas, especially for children of Aboriginal origin, were based on a small number of observations or population resulting in instability.
 This point has been taken into account in data presentation and interpretation.

5. Conclusions and Recommendations

5.1 Conclusions

- No correlation was found between the solution gas flaring activities and the rates of
 physician claims or hospitalizations for the respiratory disorders investigated. This
 was the conclusion regardless of the measure of health outcomes, the rural-urban
 status, ethnicity, or age.
- The limitations of this study are such that site specific situations or any localized impacts smaller than the postal code area may not be detected here.
- Overall, the number of physician claims per 100,000 population for selected respiratory disorders during 1994-96 was the highest for upper respiratory infections (60,316), followed by asthma (8,717), bronchitis (3,883), and pneumonia (3,116).
 The pattern of hospitalization rate was different, with asthma being the highest (428), pneumonia the second (397), upper respiratory infections the third (339), and bronchitis the lowest (119).
- In general, the rate of physician claims for the respiratory disorders in Aboriginal
 people was higher than the non-Aboriginal population, especially in the rural area.
 The differences were most pronounced for bronchitis and pneumonia.

• The rural-urban variations for the disorders examined depended on the ethnicity and disease group studied. The rate in the rural area was higher for bronchitis, particularly in Aboriginal people; but was lower for asthma. For pneumonia and upper respiratory infections, the rate in the rural area was higher among Aboriginal people, but lower or the same among the non-Aboriginal population.

5.2 Recommendations

- Measurement of the actual personal exposure to the air pollutants of concern is the recommended method to quantify exposure.
- Identification of bio-markers of exposure and effect reflective of the compounds of interest is an important area for further development.
- Extending the period of observation to increase the persons time at risk is important to
 address the issue of small numbers. Including other health outcome/flaring activity
 measures, such as incidence, prevalence, and cumulative exposure.
- Development of a responsive and comprehensive geographic information database that allows the data linkage at all geographic levels for different periods of time.

Continuing monitoring the human health status and the gas flaring activities in the
province, focusing on the areas with high flaring discharge and/or health outcomes. If
community concerns persist, community studies including personal exposure
monitoring may be considered.

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Appendix I Study Data Set

			Postal C	ode I	nformation		Tota	al Respir	itory Dis	ease	R	Respiritory	Infection	n		Pneur	monia			Astl	hma			Bronc	chitis	
Postal	Postal Code	Latitude	Longitude	Area		Population	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital		Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of
Code T0A0A0	Name ABEE	-113.03000	54 22200	km2 307	1000m3/km2/yr 0.09	169	Claims/yr 135	Phys. Claims 80060	Visits/yr	Hosp. visits 3545	Claims/yr 85	Phys. Claims 54522	Visits/yr	Hosp. visits 268	Claims/yr	Phys. Claims 2020	Visits/yr	Hosp. visits 885	Claims/yr 1	Phys. Claims 6415	s Visits/yr	Hosp. visits	Claims/yr I	Phys. Claims 3392	Visits/yr 15	Hosp. visits
		-110.48000		236	3.98	765	474	61882	23	2887	318	41717	2	260	15	1892	5	597	50	6601	2	200	27	3500	0	0
	ASHMONT	-111.57000		155	0.05	668	404	59799	37	4592	210	33032	3	394	20	2686	7	878	44	7023	4	687	30	4390	3	141
	ATMORE	-112.55000	54.81700	282	0.13	303	195	62594	11	3429	105	32636	1	339	13	4241	3	961	10	3274	0	97	19	7061	1	71
	BEAVER CROSSING	-110.20000		128	0.92	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BEAVERDAM	-110.30000		707	10.30	0		-	- :	-	-	-		-	-	-		-		-	-	-		-	-	-
TOAONO	BELLIS BON ACCORD	-112.15000 -113.40000		584 137	0.18 29.27	243 2306	156 1973	61107 84405	5 46	1674 2161	105 1348	42963 56412	1	300 184	6 59	2646 2933	1 8	516 431	7 193	2274 8253	0 13	0 585	11 98	4062 4429	2 2	133 238
	BONNYVILLE	-113.40000		241	2.67	49	1973	22047	0	0	6	13710	0	0	0	610	0	0	193	3734	0	0	1	1491	4	302
TOAOMO		-112.80000		350	1.23	2531	2347	91064	146	4659	1555	62629	34	1277	96	3086	36	1056	175	6888	20	701	163	5795	i	303
T0A0N0	BOYNE LAKE	-111.68333	54.23333	174	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BREYNAT	-112.50000		1026	0.07	134	82	59169	4	2310	39	30855	0	315	1	625	1	372	7	4839	1	379	13	8174	0	170
T0A0R0		-112.52000		600	0.51	560	919	161279	77	12829	579	100302	25	3800	47	7811	19	3111	42	7476	8	1374	70	12419	66	894
TOAOSO	CHARD CHERRY GROVE	-110.91666 -110.08000		5754 231	0.07 0.72	1 317	175	53913	- 5	1529	110	33278	-	471	- 6	1989	-	165	17	5362	- 1	398	17	5361	0	36
	COLD LAKE	-110.08000		1070	6.98	825	548	65844	30	3657	274	32402	4	471	31	3707	5	605	44	5151	1	434	97	12193	0	76
	COLD LAKE	-110.33370		1787	0.03	915	541	57505	20	2868	299	29004	4	289	13	1307	2	252	53	5513	4	392	39	4542	4	242
	COLD LAKE	-110.23280		40	0.38	791	478	57951	23	2742	264	31535	2	195	18	2016	3	307	40	4690	1	153	49	6823	5	304
T0A0V3	COLD LAKE	-110.19120	54.47000	1787	0.00	996	565	53169	24	2721	320	28924	2	220	16	1619	4	490	49	4270	3	308	62	7189	2	315
	COLD LAKE	-110.19120		1787	0.00	560	379	64976	15	3712	200	32405	2	337	11	2107	1	117	43	6093	3	366	36	7960	1	393
	CONKLIN	-111.08000		8150	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CORONADO	-113.30000		87	0.65	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DONATVILLE EGREMONT	-112.80000 -113.22000		530 257	0.09	0 197	159	- 80147	7	2334	113	- 60197	-	- 565	3	1231	1	179	- 16	7085	- 0	116	3	1275	1	257
	ELK POINT	-113.22000		614	15.68	2604	1952	73166	120	3672	1425	54824	17	581	75	2461	23	615	159	7085 5998	18	680	37	1437	0	0
	ELLSCOTT	-110.90000		527	0.42	42	17	42358	120	1987	11	29422	1	1495	1	4901	0	0	139	540	0	0	1	2479	0	0
	EMBARRAS PORTAG	-111.46667		16161	0.00	0	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
T0A1E0	FOISY	-111.58334		172	0.10	175	180	104988	11	6140	136	77767	1	698	7	3949	4	2017	7	4127	1	399	11	7020	0	0
	FORT CHIPEWYAN	-111.15000		26461	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FORT KENT	-110.60000		200	13.97	347	281	78229	12	3105	200	56009	1	347	7	1809	2	465	37	10050	2	544	7	1846	0	95
	FORT MACKAY	-111.61667		15631	0.00	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FORT MCMURRAT LO FRANCHERE	-111.38333 -111.03333		3733 234	0.01	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FROG LAKE	-111.03333		210	65.17	900	1650	182604	168	16983	1294	141097	33	2903	138	18450	50	6253	103	11235	34	2714	23	3438	0	0
	GIBBONS	-113.33000		104	1.06	4599	5033	107553	136	3361	3647	76294	15	311	182	4273	27	673	439	9259	27	585	159	3994	0	0
	GLENDON	-111.15000		164	0.25	1273	926	70124	72	4426	442	36305	6	409	121	8260	15	985	74	5168	6	435	73	4966	0	313
T0A1R0	GOODFISH LAKE	-111.83334	54.30000	323	0.00	931	1850	186460	69	7693	1073	109147	17	1564	98	16302	16	1868	20	2481	4	383	238	26650	0	0
	GOODRIDGE	-111.36667		506	0.21	67	48	74449	3	5020	15	25334	0	605	6	8739	0	523	1	2058	0	0	4	5381	0	0
	GRAND CENTRE	-110.33370		1070	0.00	3099	2169	68681	137	4975	1261	38527	27	810	123	4019	25	849	186	5642	14	422	268	9453	0	0
	GRAND CENTRE	-110.22580		34	0.00	498	371	74473	15	3647	226	42823	3	458	7	1547	2	655	45	8403	3	486	22	5194	4	150
	GRAND CENTRE GRAND CENTRE	-110.22580 -110.22580		34 34	1.91 0.00	553 504	416 318	76548 63485	19 17	4703 3431	219 187	39743 37723	4	294 705	28 13	4502 2554	4	624 742	64 32	10733 6312	2	263 363	22 30	5378 5713	2	330
	GRAND CENTRE	-110.22580		34	0.00	847	510	58675	22	2794	306	34743	2	239	15	1720	2	245	57	6504	4	303 444	42.	5180	0	24
	GRAND CENTRE	-110.22580		34	0.00	676	486	63084	12	2004	315	39640	6	704	10	1328	1	308	57	6670	1	83	22	3721	9	1846
	GRASSLAND	-112.68000		541	0.14	349	170	50101	9	2824	95	28340	0	113	5	1531	1	400	9	2714	1	415	21	6014	0	56
T0A1W0	GURNEYVILLE	-110.75000	54.13333	475	2.44	170	125	70873	11	7055	96	52294	2	1199	8	5290	4	2695	7	4203	0	312	1	761	0	0
	HEINSBURG	-110.42000		274	34.16	496	488	98178	20	3736	389	79212	5	949	21	3706	5	795	21	3856	2	444	12	2484	1	349
	HOSELAW	-110.90000		290	0.75	128	100	73946	7	4466	72	53975	3	2049	3	1781	0	205	16	10406	2	1027	1	523	0	0
T0A1Z0	HYLO IRON RIVER	-112.22000 -110.91666		473 1622	0.15 0.07	151 300	119 182	74040 61326	7 9	3312 2646	51 115	38005 40228	0	0 228	9	4403 1811	2	1221 244	5 36	2023 11519	1 2	385 554	18	10887 1037	0	0 62
T0A2A0 T0A2B0		-110.91666 -112.10000		949	0.07	300 116	164	112470	8	2646 6879	89	40228 64125	0	228	6	1811	1	1430	6	4141	0	554 217	31	27233	2	62 98
	LAC LA BICHE	-112.10000		2661	0.26	7612	9421	119753	477	6313	4592	56458	76	909	245	3201	72	926	700	9079	87	1128	1413	18358	2	493
	LA COREY	-110.77000		1352	43.55	279	145	51160	9	2412	92	33906	1	157	12	3306	3	827	9	2857	0	81	6	1785	2	239
	LAFOND	-111.47000		289	0.10	150	101	69131	5	3532	57	40061	1	856	5	3263	2	1077	13	8926	0	0	7	4725	1	66
	LANCASTER PARK	-113.48333		68	0.38	1234	844	52304	15	925	532	32380	3	148	22	1923	1	25	123	6602	8	484	36	3018	3	229
	LINDBERGH	-110.66666		504	20.37	197	111	53483	5	1826	73	35221	0	172	6	2140	2	739	13	6826	0	117	1	533	1	331
	MALLAIG	-111.37000		130	0.07	632	397	61938	24	3960	226	35085	2	293	30	5034	5	790	26	4212	4	619	32	5023	1	299
TOA2LO		-111.70000 -110.26667		257 60	0.01	135 3877	164 2328	102410 53079	4 48	2383 1042	82	55807 30617	0 14	162 179	2	1367 1445	1	537 164	5 302	3940 9867	0 15	187 296	26	15740 2441	0	0 779
T0A2M0 T0A2N0		-110.26667		140	2.32	148	106	73022	48 2	1139	1519 70	30617 49962	0	0	52 5	2931	0	0	302 7	9867 5416	0	296	76 9	5714	2	99
	NEWBROOK	-112.95000		591	0.17	606	477	75352	34	4692	310	52215	6	1006	18	2604	7	1002	28	4255	3	417	22	3106	0	186
T0A2F0		-112.93000		257	0.38	66	43	64271	0	538	34	50751	0	0	0	915	0	0	3	5278	0	538	2	2700	3	318
T0A2S0	OWLSEYE LAKE	-111.43333	54.06667	114	0.24	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	PLAMONDON	-112.33000		643	0.08	1441	1053	71530	53	3467	508	34026	12	680	28	1854	9	600	88	5946	6	404	144	10016	1	84
	RADWAY	-112.95000		276	0.08	515	462	87988	38	4223	245	58415	6	1057	28	3265	5	431	60	9575	4	516	18	3314	0	0
	REDWATER	-113.12000		252	6.05	3185	3119	96700	121	3181	2272	71362	15	449	128	3592	24	623	184	5725	16	504	49	1477	4	93
	RICH LAKE	-111.61667		1259	0.18	0			-	-	-	-	-	- 1000	-	-	-	-	-	-	- :	4500	-	-	-	-
	ST BRIDES	-111.53000 -111.45000		126 183	0.21	300 627	541	167981 65784	35 25	11158	392	121669 35298	7	1990	31	9559 2568	9	2673 574	19	5556	5	1738 324	31 38	9486 5822	0	187
T0A2Z0 T0A3A0		-111.45000		183	0.03	627 4106	423 2926	65/84	25 157	3286 3684	216 1826	35298 43455	5 26	788 599	19 135	2568 3128	31	720	24 182	3758 4254	21	506	208	5822 5042	0	0
T0A3A0		-111.86100		29	0.19	1286	1108	83447	60	4292	1826 586	43433	26 7	599 514	34	2537	5	321	163	12227	13	971	75	5042 5697	14	240
	ST PAUL	-111.32330		139	0.10	751	500	65950	29	3364	291	39371	5	624	24	2951	4	442	53	7152	7	940	37	4686	0	0
TUA3A2										4288	526	42625	-							7478	14					
T0A3A2 T0A3A3		-111.32180	53.98950	131	0.08	1345	982	73074	81	4288	320	42025	8	570	51	3267	11	555	97	/4/8	14	1172	71	5330	1	66

Post				Postal C	ode I	nformation		Tota	al Respiri	itory Dis	ease	Re	espiritory	y Infectio	n		Pneu	monia			Astl	hma			Brono	chitis	
MANDE SYNERCEM 11,15000 51,0000 198 010 24 198 5019 9 2017 64 64 64 64 64 64 64 6			Latitude	Longitude			Population					Physician	Rate of	Hospital	Rate of									Physician	Rate of	Hospital	Rate of
MANUARD SPITCH 11,7000			-111 28000	54 15000			204			Visits/yr								Visits/yr				Visits/yr		Claims/yr 1	Phys. Claims 4807	Visits/yr	Hosp. visits
SAME STYLENDER 1115/006 125/007 07 0.56 277 289 10.27 299 10. 204 5 2084 7 2343 1 628 10.28										82								16				11		128	5050	15	116
TRANSPORT PRINCIPLE 1115900 542500 158 0.38 0					145	0.04		1004				684		13	1590	45		10	1212			4	585	98	13580	2	269
THE PROPRIES THE							217	230	101222	12	6415	186	79690	2	698	10	5041	5	3084	7	3343	1	628	3	1517	1	114
THATASH THAT								-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
TINALIN MINAN																71								49	2600 6691	0	0 179
THANSON WANDERNIGHURSE 112-0800 5-2008 0.005 0.006										-				-	-	83		8				-		153	10994	2	254
TOASING MASKARTMANI 112-7000 51000 5100 510 570 5100 570 570 5100 570																		3						27	10082	3	481
TOLOGO PORTMERINDER 111-5619 507-2539 2088 0.00 0.0					344	0.08	168	107		10				1	605	_	1917	1		· ·		2		8	3377	0	0
TOLYNON MILES LAKE 111,05000 52,05000 153 625 730 738 738 748								733	86274	52	3962	459	59116	6	569	33	3567	8	725	79	8330	10	876	34	3278	1	136
TORNON MILDRED LAKE 1105800 525900 53 738 0						0.00		2200	21.4950	126	0104	2660	167067	- 12	2207	- 114	7522	- 24	2106	104	5076	- 15	- 000	164	12037	0	0
THANKON STPANLISUR 111.5076 53.5986 70 70 70 70 70 70 70 7								3399	214830	130	9104	2000	10/90/	42	2367	114	1332	34	2100	104	3870	15	808	104	12037		-
TORNON ALLIANCE								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TORRIGON AMISK	3X0 S	ST PAUL SUB 2	-111.30760	53.99580	170	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TORIGINAL ANDREW .112.5000 53.53800 34. .112.5000 .112														7				6				5		50	7292	1	99
TORRIGO ALBEROSSAN 1131000 5135300 191 11 14 112 175 5722 3 3866 54 5733 8 158 98 2064 7 172 24 18 90.28 12 208 170800 BASHAW 1127000 513500 195 24 18 18 18 18 18 18 18 1												- 10		6				3				9		36	8132	0	0
TORINGO ARMENA 1125000 525000 495 1.14 120 75 54722 3 3846 54 37839 1 629 3 2827 0 0 0 6963 1 478 478 15 594 478					501		-							18				7						56 116	4014 2429	0	0 1469
TOBIND BASHAW -112/7000 25/28500 405 2.41 1324 1478 82951 71 3012 903 53.437 7 811 61 2173 13 416 172 9478 15 958 170000 BANVALLON -111,0700 35.0850 309 15.40 406 241 4717 2 2 440 70 50.600 2 1326 12 456 2 820 3 1865 1 414 4170 2 1800 638 8295 369 2 4 4 4 4 4 4 4 4 4														1				0				1		4	3013	0	0
TOBING BAWYEL 112,4700 52,97700 324 0.11 800 683 82795 36 403 486 59455 6 707 23 2681 7 813 37 4001 5 508														7		-		-	-	-		15		61	2906	0	111
TOBIGN BLACKFOOT -110,1700 51,2800 309 15.40 496 241 47171 2 26.5 188 33,241 0 0 0 8 1992 1 106 14 2911 0 0 0 170000 BREMNER -112,2000 35,6667 74 0.04 0 1 1 17 17 2 26.5 180 30,241 1 1 180 1 1 1 1 1 1 1 1 1			-112.47000	52.91700						36												5		22	2631	5	406
TOBINGO BORD -110,0800 21,090 508 52,490 400 48 50,276 5 3402 55 20,001 1 850 3 21,88 1 836 2 1517 1 418 170,0000 181,0000 131,0000 1					250							, 0	20107	-				_				•		22	12498	1	1489
TOBINO BRENNER					507					_				0	-			-				-		19	3818	21	2642
TOBBOD BROSSEAU -111.68333 53.78333 245 0.06 121 73 55095 3 2029 40 34512 0 317 1 546 0 137 3 1762 1 410								48	30267	5	3402	.55	22091	1	850	3	2158	1	830	2	151/	1	418	1	447	0	0
TOBING BRUCE								73	55095	3	2029	40	34512	0	317	1	546	0	137	3	1762	1	410	8	6464	0	0
TOBINO CADOGAN										18						30						2		12	3748	1	244
TOBBOY CHAUVIN					328									5		55		6						52	2991	1	240
TOBING CHEMAN 112,6300 53,7000 30														2				1				-		7	2118	1	112
TOBING CLANDONALD -1107/2000 \$3.58700 437 3.11 446 229 48138 12 2.365 158 33275 3 592 11 2435 2 453 20 3998 2 447							,							4								_		19	2028	0	0
TOBIND COCKING LAKE .113,0333 \$1,34333 \$1,51 0.20 223 179 83169 5 2105 120 57817 1 495 7 2997 0 195 20 820,8 0 0 1 1078070 1 1 1 1 1 1 1 1 1					505			200						-				-				-		28 4	5150 929	0	0
TOBIAIO DAYSLAND - 112,7000 52,85070 392 0.22 1525 1387 89864 866 68810 13 877 38 2180 11 699 122 7744 11 621 10 10 10 10 10 10 10 10 10 10 10 10 10														1				-				_		9	3568	1	62
TOBIGO DENWEOND					662		534			27				4		13		4	593	27	5510	2	445	29	4772	2	57
TOBIEO DERWERT -1109700 53.65000 565 10.26 411 282 68596 19 2517 168 45649 2 345 11 1951 3 332 12 2533 1 177 TOBIEO DEVILE -1129166 54.5400 25 2 0.03 0														13		38		11				11	621	19	1125	0	106
TOBIED DEVILLE								210						2	210	5			32			0		4	641	1	335
TOBIGO DEWBERRY -110.52000 53.58300 217 4.69 744 459 60369 21 2255 290 38857 4 541 18 2305 4 465 42 5215 2 221					505			282	68596	19	2517	168	45649	2	345	11	1951	3	332	12	2533	1	177	20	2952	3	203
TOBIHO DONALDA -112,57000 52,58300 390 0.13 814 563 66752 399 3748 386 48080 5 5.562 22 2090 8 719 36 3782 3 287 TOBINO EDBERG -112,78000 52,78700 278 2.29 1033 544 51595 41 3335 416 40337 8 740 36 3020 9 740 32 2837 6 509 TOBILO FABYAN -111,0000 52,76700 411 1.62 543 354 63480 17 2594 237 44662 2 352 111 2057 2 362 22 3863 2 341 TOBINO FORESTBURG -112,05000 52,76700 411 1.62 543 354 63480 17 2594 237 44662 2 352 11 2057 2 362 22 3863 2 341 TOBINO FORESTBURG -112,05000 52,76700 411 1.62 543 354 63480 17 2594 237 44662 2 352 11 2057 2 362 22 3863 2 341 TOBINO FORESTBURG -111,0000 52,76700 411 1.62 543 354 63480 17 2594 237 44662 2 352 11 2057 2 362 22 3863 2 341 TOBINO FORESTBURG -111,0000 52,76700 411 1.62 543 354 63480 17 2594 237 44662 2 352 11 2057 2 362 22 3863 2 341 TOBINO FORESTBURG -111,0000 52,76700 411 1.62 543 354 63480 17 2594 237 44662 2 352 11 2057 2 362 22 3863 2 341 TOBINO FORESTBURG -111,0000 52,76700 411 1.62 543 354 63480 17 2594 237 44662 2 352 11 1.0057 2 362 22 3863 2 341 TOBINO FORESTBURG -111,0000 52,76700 411 1.62 543 354 63480 17 2594 237 44662 2 352 11 1.870 4 7.57 31 8070 2 448 TOBINO FORESTBURG -111,0000 52,76700 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 41 1.00 20 20 20 41 1.00 20 20 20 41 1.00 20 20 20 41 1.00 20 20 20 20 20 20 20 20 20 20 20 20 2							-	459	60369	21	2255	290	38857	4	541	18	2305	4	465	42.	5215	2	221	27	3230	0	378
TOBINO EDBERG -112/78000 52/78300 214 0.09 440 288 62638 12 2163 164 38060 1 219 17 4170 3 730 19 3486 2 313 710														5										41	3924	9	1446
TOBINO FABYAN -111,0000 52,88300 510 3.44 0 - - - - - - - - -			-112.78000	52.78300	214		440					164		1		17		3				2	313	31	5704	0	0
TOBIMO FERINTOSH -112,97000 52,76700 411 1.62 543 354 63480 17 2594 237 44062 2 352 11 2057 2 362 22 3863 2 341 TOBINO FORESTBURG -112,05000 52,258300 400 3.80 1491 1605 108530 114 6413 1205 82.642 26 1666 55 3291 27 1522 119 82.04 111 616 TOBINO FORESTSAKATCHEW -113,21667 53,71667 321 0.17 0								544	51595	41	3335	416	40337	8	740	36	3020	9	740	32	2837	6	509	21	1752	0	0
TOBINO FORESTBURG								254		-	2504	- 227	14062	-	-	-	-	-	-	- 22	20.62	-	-	- 20	4707	-	-
TOBIRO GALAHAD -111,21667 53,71667 321 0.17 0														_				-				_		30 71	4786 4424	0 13	0 720
TOBIRO GALAHAD -111.93000 52.51700 396 13.60 427 478 112218 34 6436 327 78680 10 2220 11 1870 4 757 31 8070 2 448 TUBISO HAIRY HILL -111.9667 53.76667 377 0.16 263 158 65054 8 2719 91 38793 1 590 6 1948 1 395 19 6782 1 312 TUBITO HAMLIN -111.9000 53.96667 326 0.06 0					100		-	- 1005	-	-	-	- 1200	-	-	-	-	J271 -	-	-	-	-	-	-			-	-
TOBITO HAMLIN -111,0000 53,96667 326 0.06 0								478	112218	34	6436	327	78680	10	2220	11	1870	4	757	31	8070	2	448	28	6097	4	356
TOBIVO HARDISTY -111,30000 \$2,66700 674 7.25 1304 1059 78397 82 5529 482 36683 12 825 60 4264 14 890 151 11724 20 1467 170BIWO HAYLAKES -113,05000 53,20000 270 4.52 863 601 68476 18 2025 370 41923 3 304 28 3263 6 649 40 4306 4 406			-111.96667	53.76667		0.16	263	158						1		6		1				1	312	21	8655	0	0
TOBIWO HAY LAKES -113,05000 53,20000 270 4.52 863 601 68476 18 2025 370 41923 3 304 28 3263 6 649 40 4306 4 406 TOBIXO HAYTER -110,12000 52,253000 412 8.15 294 137 44510 6 1804 101 31895 0 91 5 1740 0 0 8 22400 0 0 TOBIYO HAZELDINE -110,62000 53,58333 161 0.08 0								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOBIXO HAYTER -110.12000 52.35000 412 8.15 294 137 44510 6 1804 101 31895 0 91 5 1740 0 0 8 2400 0 0 0 TOBIYO HAZELDINE -110.45000 53.58333 161 0.08 0					071										020	00			0,70				1107	173 32	13043 3637	0	0 188
TOB1YO HAZELIDNE -110.45000 52.67670 431 1.97 12 5 36435 1 4332 4 31741 0 732 0 0 0 0 0 0 0 0 0					270									-		28 5		-						2	3637 784	4	623
TOBZAO HEATH -110.62000 52,76700 431 1.97 12 5 36435 1 4332 4 31741 0 732 0 0 0 0 0 0 0 0 0 0 0 TOBZAO HEISLER -1.112.3000 52,76700 401 1.25 439 348 75945 26 5139 237 53721 6 11100 4 769 4 676 41 8139 3 548 TOBZAO HILLIARD -1.112.48333 53.65000 304 4.82 205 180 99889 5 2647 116 66793 1 616 7 2585 1 551 12 6780 2 892 TOBZCO HOLDEN -1.112.23000 53.23300 493 0.13 1203 834 67480 94 5651 530 45286 15 1176 43 2396 9 455 48 3336 9 632 TOBZCO HOLDEN -1.112.3300 53.83300 385 0.10 743 698 95993 54 6339 416 61387 17 2312 32 3619 9 933 47 6774 8 979 TOBZHO IRMA -1.112.3000 53.83830 385 0.10 743 698 95993 54 6339 416 61387 17 2312 32 3619 9 933 47 6774 8 979 TOBZHO IRMA -1.112.3000 53.83830 479 12.47 337 174 49692 7 1687 111 33866 2 527 4 1169 1 229 11 3204 1 293 TOBZKO KELSEY -1.112.55000 52.85000 180 2.42 178 115 65502 3 1704 81 47125 1 346 1 345 0 254 7 3343 1 368								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0B2B0 HILLIARD -112.4833 53.65000 304 4.82 205 180 99889 5 2647 116 66793 1 616 7 2585 1 551 12 6780 2 892 T0B2C0 HOLDEN -112.5800 53.8300 493 0.13 1203 834 67480 94 5651 530 45286 15 1176 43 2396 9 455 48 3536 9 632 T0B2C0 HOLGHENDEN -110.98333 52.51667 498 28.15 634 336 436 480 94 28 3473 196 31101 6 735 19 2856 4 580 36 5802 5 752 T0B2C0 INNISFREE -111.5300 53.88300 385 0.10 743 698 95993 54 6339 416 61387 17 2312 32 3619 9 933 47 6774 8 979 T0B2H0 IRMA -1110.25000 53.88300 385 0.10 480 63968 67 4553 497 40209 16 1223 66 4980 12 821 63 5007 5 402 T0B2LO INSTREE -111.55000 53.88300 479 12.47 337 174 49692 7 1687 111 33866 2 527 4 1169 1 229 11 3204 1 293 T0B2K0 KELSEY -112.55000 52.85000 180 2.42 178 115 65502 3 1704 81 47125 1 346 1 345 0 254								5	36435	1	4332		31741	0	732	0	0	0	0	0	0	0	0	1	4694	0	0
TOB2CO HOLDEN -112,23000 53,23300 493 0.13 1203 834 67480 94 5651 530 45286 15 1176 43 2396 9 455 48 3536 9 632 TOB2EO HUGHENDEN -110,9833 52,51667 498 28.15 634 356 54149 28 3473 196 31101 6 735 19 2856 4 580 36 5802 5 752 TOB2CO INNISFREE -111,5300 53,38300 385 0.10 743 698 95993 54 6339 416 61387 17 2312 32 3619 9 933 47 6774 8 979 TOB2HO IRMA -111,2300 52,91700 657 3.12 1241 808 63968 67 4553 497 40209 16 1223 66 4980 12 821 63 5007 5 402 TOB2HO IRMA -110,53005 53,83300 479 12,47 337 174 49692 7 1687 111 33866 2 527 4 1169 1 229 11 3204 1 293 TOB2KO KELSEY -112,55000 52,88000 180 2.42 178 115 65502 3 1704 81 47125 1 346 1 345 0 254 7 3543 1 368														6		4		4				-		15	2624	1	86
T0BZED HUGHENDEN -110.9833 52.51667 498 28.15 634 356 54149 28 3473 196 31101 6 735 19 2856 4 580 36 5802 5 752 T0BZCO INNISFREE -1111.53000 53.38300 385 0.10 743 698 95993 54 6339 416 61387 17 2312 32 3619 9 933 47 6774 8 979 T0BZHO IRMA -1111.2300 52.91700 657 3.12 1241 808 63968 67 4553 497 40209 16 1223 66 4980 12 821 63 5007 5 402 T0BZHO ISLAY -110.53000 53.38300 479 12.47 337 174 49692 7 1687 111 33866 2 527 4 1169 1 229 11 3204 1 293 T0BZKO KELSEY -112.55000 52.85000 180 2.42 178 115 65502 3 1704 81 47125 1 346 1 345 0 254 7 33543 1 368										-				1		7		1				2		15	8321	2	249
T0B2G0 INNISFREE -111.53000 53.38300 385 0.10 743 698 95993 54 6339 416 61387 17 2312 32 3619 9 933 47 6774 8 979 T0B2H0 IRMA -111.23000 52.91700 657 3.12 1241 808 63968 67 4553 497 40209 16 1223 66 4980 12 821 63 5007 5 402 T0B2H0 ISLAY -110.53000 53.83300 479 12.47 337 174 49692 7 1687 111 33866 2 527 4 1169 1 229 11 3204 1 293 T0B2K0 KELSEY -112.55000 52.85000 180 2.42 178 115 65502 3 1704 81 47125 1 346 1 345 0 254 7 3343 1 368																		9				9		41 52	3206 7502	9	393 100
														-								8		52 82	7502 8541	3	159
T0B2K0 KELSEY -112.55000 52.85000 180 2.42 178 115 65502 3 1704 81 47125 1 346 1 345 0 254 7 3543 1 368																								41	2853	1	86
	2J0 I	SLAY			479	12.47	337	174		7	1687	111		2	527	4	1169	1		11	3204	1	293	11	2886	0	0
TODGE VILLAM 111195000 52 79200 400 0.09 1629 1 1662 02255 101 4929 1 1090 62764 22 1625 1 55 2000 14 720 1 600 0655 14 670 1										3				1		1				7		1		7	3862	0	0
		KILLAM			409	0.08	1638	1662	93355	101	4838	1080	62764	32	1635	55	2800	14	720	168	9651	14	679	40	1713	0	0
TOBZMO KINSMAN -1112.75000 53.21700 279 0.06 507 379 73378 18 3342 243 47293 4 703 10 1900 2 344 28 5163 3 436 170BZMO KINSELLA -111.52000 53.00000 664 2.85 237 153 64400 18 6632 88 38798 3 1235 12 4202 3 1109 13 6068 3 1186																		-	511			-		19 11	3741 4037	2	177
TOB2NO KINSELLA -1-11.52000 53.00000 664 2.85 237 153 64400 18 6632 88 38798 3 1235 12 4202 3 1109 13 6068 3 1186 1 TOB2PO KITSCOTY -110.33000 53.33300 346 10.47 1373 836 88997 15 983 596 42345 2 142 19 1169 2 102 52 3590 3 207					001									-				-				-		64	4037	0	0
TOBERO LAMONT -112,78000 53,76700 199 27.98 2403 2076 85977 90 3089 1317 56951 10 409 93 3373 16 541 194 8023 14 558					199									_				_				-		132	5032	0	92
T0B2S0 LAVOY -111.87000 53.45000 415 0.28 344 276 80344 16 3463 140 44378 4 894 15 3905 4 722 23 4269 1 482					415	0.28																1		47	13203	0	0
T0B2T0 LOOMA -113.25000 53.35000 161 0.22 0			-113.25000	53.35000				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0B2V0 LOUGHEED -111.55000 52,75000 435 0.67 632 568 80744 33 4013 315 48160 7 948 30 4312 6 851 68 8348 3 482																						-		58	7756	0	0
TOB2WO MANNVILLE -111.18000 53.33300 720 20.75 1574 1658 102218 148 7373 1063 68158 58 3272 61 3206 27 1207 81 5394 13 803 17182XO MARWAYNE -110.3000 53.51700 281 4.11 1479 1848 5544 27 1506 545 35862 3 197 25 1556 6 296 33 2171 3 168																								237	11969	0	111
T0B2X0 MARWAYNE -110.33000 53.51700 281 4.11 1479 848 55454 27 1506 545 35862 3 197 25 1556 6 296 33 2171 3 168	ZAU N	WARWAYNE	-110.33000	33.51700	281	4.11	14/9	848	33434	21	1506	545	33802	3	197	25	1556	0	296	55	21/1	5	108	43	2699	U	U

			Postal C	ode Ir	nformation		Tota	l Respiri	tory Dise	ease	R	espiritory	Infection	on		Pneui	nonia			Astl	ıma			Bron	chitis	
Postal	Postal Code	Latitude	Longitude		Flaring Vol.	Population			Hospital			Rate of					Hospital		Physician			Rate of	Physician	Rate of	Hospital	
Code T0B2Y0	Name MCLAUGHLIN	-110.17000	52.98300	298	1000m3/km2/yr 0.11	134	75	Phys. Claims 47799	Visits/yr	Hosp. visits	42.	Phys. Claims 30973	Visits/yr 0	O Nisits	Claims/yr	6847	Visits/yr 0	Hosp. visits	7	Phys. Claims 2959	Visits/yr 0	Hosp. visits	Claims/yr	Phys. Claims 2544	Visits/yr	Hosp. visi
T0B2Z0	MEETING CREEK	-112.73000	52.68300	282	0.18	271	192	70051	7	2567	139	50852	2	554	14	5263	2	537	14	4358	1	342	13	4987	0	83
	METISKOW	-110.63000		601	7.04	171	95	55522	12	6344	59	35505	3	1630	4	2317	2	949	5	3241	0	0	4	1989	0	0
	MINBURN	-111.37000		489	2.68	377	375	95406	34	7902	248	64985	13	3262	18	4191	8	1887	7	1756	1	281	62	14422	9	1361
	MIRROR MORECAMBE	-113.12000 -111.46667		251 342	1.76 0.11	689 0	488	70369	22	2392	313	47136	3	371	13	1334	6	550	49	6992	3	296	41	5256	0	0
		-111.46667		99	0.11	0		-	-	-		-		-	-		-	-						-		-
	MUNDARE	-112.35000		491	0.27	1378	1267	94999	69	3185	670	56661	6	398	54	2719	9	354	103	7300	16	739	149	10729	0	0
	MUSIDORA	-111.37000		236	0.13	34	11	23133	2	2480	5	15569	0	522	1	915	1	1052	0	1824	0	0	1	1757	1	90
	MYRNAM	-111.23000		466	0.11	664	701	99704	76	7041	319	56303	16	1939	46	3741	15	1233	48	6391	6	855	135	13459	1	294
	NEW NORWAY NEW SAREPTA	-112.95000 -113.15000		264 187	3.72 11.50	1096 1937	706 1607	62308 81713	23 43	2005 2215	463 1053	40700 53352	4	294 157	29 61	2552 3037	5	389 228	43 203	3704 10325	1 11	75 544	65 61	5471 3138	0 2	0 341
		-113.15000		176	0.19	73	54	74145	3	4352	42.	57274	0	478	1	3037 956	0	610	7	9934	0	0	2	2725	0	0
	OHATON	-112.67000		272	0.11	581	454	78371	16	2430	292	51599	2	330	18	2807	2	241	42	6750	3	453	41	6697	0	159
	PARADISE VALLEY	-110.30000		594	4.45	582	330	51847	7	1151	192	31380	0	52	10	1681	1	86	19	3229	1	111	35	5469	0	0
		-110.27000		405	34.84	2800	1255	44013	76	2111	902	32485	10	337	49	1626	12	318	89	3001	9	268	39	1254	0	0
	RANFURLY	-111.68000		401	0.12	223	165	79320	7	2491	93	45517	1	240	7	2168	1	495	16	9069	0	85	19	8622	1	119
	RED WILLOW RIBSTONE	-112.57000 -110.27000		418 450	1.19 12.61	53 0	33	70566	2	3003	21	50040	1	348	1	2090	0	1045	6	8340	0	429	3	7068	6	412
	RIVERCOURSE	-110.27000		231	13.20	168	83	53303	0	195	62	40238	0	195	2	952	0	0	3	1964	0	0	6	3995	0	0
	ROSALIND	-112.43000		271	0.50	520	384	70022	26	4146	282	51385	2	406	8	1441	1	212	39	6782	6	938	21	3696	1	98
T0B3Z0	ROUND HILL	-112.62000	53.16700	388	0.05	231	225	95814	13	5307	144	62071	3	1130	7	3268	1	279	11	5080	1	649	24	9451	4	190
	RYLEY	-112.42000		434	0.00	1048	848	78311	77	5667	548	53307	8	772	30	2346	6	511	50	5112	5	471	50	4062	0	0
	ST MICHAEL	-112.63000		241	0.67	408	226	60838	8	1699	161	46982	1	406	7	1060	2	409	20	4566	0	0	12	2207	0	0
T0B4C0 T0B4E0	SEDGEWICK STAR	-111.68000 -112.78000		324 180	0.62 9.05	1501 264	1826 158	106604 56394	102 6	5006 1709	1147 95	70940 38387	30 1	1507 199	69 7	4029 1523	13 1	691 222	125 16	7980 5102	9	558 446	38 8	2130 2920	2	422 279
	STREAMSTOWN	-112.78000		367	1.00	264 118	73	61376	1	432	95 56	38387 47259	0	0	1	1523 546	0	0	2	1876	0	0	6	5012	5	138
	STROME	-112.07000		423	0.02	615	489	75754	35	5068	330	53240	8	1262	13	1984	2	311	32	4493	8	1035	12	1574	0	0
T0B4J0	TOFIELD	-112.67000	53.36700	462	0.04	4903	4404	88949	333	5923	2971	61375	49	1010	194	3653	43	799	270	5514	40	797	159	3100	0	0
	TWO HILLS	-111.75000		361	0.05	1991	1429	70834	114	3558	801	44527	13	612	56	2155	12	449	99	4495	15	420	136	6760	1	40
	VEGREVILLE	-112.07000		331	0.14	53	22	40759	2	2165	6	11466	0	0	4	10170	0	159	7	11042	1	1064	2	2843	2	607
	VERMILION VIKING	-110.85000 -111.77000		422	0.83 0.14	5075 2311	3923 1424	76838 62396	209 140	3447 4771	2595 758	52051 35238	43 26	804 1110	163 137	2651 5100	40 25	618 897	284 127	5523 6269	28 11	516 568	197 64	3456 2203	0	0
	WAINWRIGHT	-111.77000		7	92.29	3763	2424	62953	177	3954	1793	46990	42	942	84	2078	24	544	165	4306	17	440	135	3307	1	43
	WILLINGDON	-112.12000		343	0.16	900	845	95961	71	5285	502	62648	25	1835	41	3136	8	518	81	9540	8	1098	75	7994	2	424
T0B4S0	WOSTOK	-112.47000	53.83300	251	0.00	39	34	92430	0	0	18	52462	0	0	3	4418	0	0	2	3964	0	0	5	12815	1	257
	WAINWRIGHT MPO 5			187	7.13	11	9	75314	1	7870	9	75314	1	5247	0	0	0	2623	0	0	0	0	0	0	3	109
	WAINWRIGHT SUB 1	-110.85570		2	0.90	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VERMILION SUB 1 VEGREVILLE SUB 1	-110.85740 -112.05900		491 224	0.29	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-112.03900		198	52.42	0	1 :							- 1					1							
	WAINWRIGHT M.P.O.	-110.86550		100	41.64	0	_	-	-	-	_	-		-	-		-	-	-		-		_	-		-
T0C0A0	ALDER FLATS	-114.95000	52.93300	1210	4.82	688	492	72600	21	2996	363	53932	5	774	9	1358	3	365	36	5341	5	649	24	2976	0	0
T0C0B0		-113.18000		214	12.95	1510	938	61092	60	3433	573	38848	9	562	46	2420	9	479	108	6945	10	685	94	5484	0	0
	ALSIKE	-114.48333		122	14.49	134	102	75740	2	1545	60	45041	0	0	3	2585	1	831	14	9783	1	470	12	8740	0	0
	ALTARIO ASPEN BEACH	-110.17000 -113.93333		452 203	4.71 19.80	175 0	118	67818	4	2144	77	46370	1	754	2	1450	1	307	15	6612	1	380	2	727	0	0
	BEAUMONT	-113.93333		103	0.33	108	68	60283	1	522	50	44515	0	0	0	284	0	0	7	6389	0	261	1	607	1	134
	BENTLEY	-114.05000		340	10.64	2277	2072	88691	55	2044	1452	62958	6	232	79	3201	9	347	215	9092	5	183	68	2644	5	438
	BERRYMOOR	-117.50000		704	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BITTERN LAKE	-113.03000		200	0.54	403	217	53519	13	2835	156	38494	1	316	9	2588	1	334	9	2310	1	177	13	3059	0	0
	BLUFFTON	-114.28000		728	12.98	1549	747	48177	39	2284	470	30773	6	346	34	1963	8	466	71	4620	6	383	73	4575	0	36
	BOTHA BRETON	-112.52000 -114.47000		312 263	15.74 12.74	434 1567	346 1223	77919 75767	14 44	2904 2452	249 757	56355 48992	2	349 527	10 58	2120 3299	3 13	552 728	28 134	6667 7746	1 5	256 342	20 67	4117 3273	0	0 1064
	BROWNFIELD	-114.47000		742	9.26	129	11223	89273	2	1794	63	48992 48254	0	0	58 6	3299 4424	13	1039	2.	1463	0	0	3	2243	0	141
	BUCK CREEK	-114.88000		320	17.67	181	132	77211	10	5508	85	51227	1	874	5	2526	3	1319	17	9524	2	1002	5	2988	0	0
T0C0T0	BUCK LAKE	-114.77000	52.95000	645	12.20	477	322	66264	16	2902	212	45338	4	799	11	1979	2	393	35	7139	3	588	29	5260	6	123
	CALMAR	-113.80000		308	5.42	3269	2896	87804	82	2289	2081	63465	10	286	130	3883	19	535	224	6649	13	376	88	2646	15	354
	CARNWOOD	-114.50230		303	13.71	113	66	62423	6	4528	45	46874	1	261	7	4048	2	1764	3	3092	0	0	3	1915	3	131
	CASTOR	-111.92000 -113.45000		472 362	0.57 23.44	1998 1334	2320	108994 65749	135 40	4480 2962	1194	62271 40006	24	1017 463	50	1843 2922	14 7	434 528	219	10557 6799	13 7	520 518	103 87	4989 6378	2	1147 132
	CLIVE COLLEGE HEIGHTS	-113.45000		362 84	23.44	1334 579	920 301	50939	40 10	2962	575 208	40006 34962	6	463 456	41 9	1754	3	528 628	92 17	2648	2	323	35	5771	3 4	132 290
	COMPEER	-110.32000		406	2.71	82	25	29022	10	857	19	22406	0	0	1	978	1	612	1	732	0	0	1	633	9	173
	CONSORT	-110.78000		833	29.00	1531	1506	94597	81	4564	944	60286	16	956	44	2616	10	539	192	11907	18	1042	22	1339	ó	0
T0C1C0	CORONATION	-111.43000	52.08300	622	0.89	2245	2122	92034	118	4808	1341	59409	26	1137	129	5483	24	948	182	7972	12	535	79	3454	0	0
	DEVON	-113.73000		251	15.11	5020	5053	99402	120	2642	3685	71236	16	326	198	4305	28	633	396	7887	24	495	58	1294	2	106
	ERSKINE	-112.88000		190	18.45	858	602	67505	27	2711	429	48321	4	447	31	3277	5	531	24	2612	2	213	46	4904	4	88
	FALUN	-113.78000		422	0.19	499	368	73412	18	3433	234	46916	3	539	17	3353	3	662	46	8793	4	717	19	3669	0	2700
	FLEET GADSBY	-111.73000 -112.35000		481 422	0.17 12.23	0 257	169	62555	7	2602	121	46473	1	- 577	3	1082	1	431	- 8	2673	1	324	14	4335	0	0
	GADSB Y GWYNNE	-112.35000			0.50	595	452	72905	27	3950	237	40101	3	561	39	6022	6	927	8 51	8287	4	524 598	49	6990	0	0
	HALKIRK	-112.15000		495	4.46	479	445	88417	30	5569	245	51019	6	1229	10	1940	5	759	46	9974	3	640	26	5326	0	0
TOC INO	HOBBEMA	-113.57000	52.83300	384	2.46	6777	13771	203865	1163	15471	10974	160729	397	4314	917	13261	396	5100	853	11259	175	2109	147	3595	3	137
	KAVANAGH		53.15000		2.99	0									l .								1			

	B . 10 1			nformation			al Respiri				espiritor				Pneur				Astl					chitis	
Postal Code	Postal Code Name	Latitude Longitude	Area km2	Flaring Vol. 1000m3/km2/vr	Population		Rate of Phys. Claims			Physician Claims/vr	Rate of Phys. Claims			Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/yr	Rate of Hosp visits		Rate of Phys. Claims	Hospital Visits/yr			Rate of Phys. Claims	Hospital Visits/vr	Rate of Hosp, visits
OC1R0	KIRRIEMUIR	-110.32000 51.91700	406	0.00	113	116	97372	3	2752	86	72507	1	589	2	1509	1	629	7	5251	0	0	0	314	0	0
	LACOMBE	-113.72000 52.46700	106	3.60	10166	7567	72817	318	2673	4404	42907	53	456	363	3231	66	544	723	6868	38	343	950	8932	4	234
	LAKEDELL LEDUC LCD	-114.06667 52.96667 -113.54720 53.27530	175 158	42.12 8.94	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LINDALE	-113.54720 53.27530 -114.60000 53.25000		22.11	254	150	57258	8	2762	103	41058	4	1409	5	1378	1	275	9	3978	1	549	5	1610	14	199
	MA-ME-O BEACH	-113.97000 52.96700	131	4.67	555	746	134770	49	8144	562	100281	22	3405	46	8062	13	2186	46	8196	5	766	24	4913	0	0
	MENAIK	-113.51667 52.75000		3.24	0	-	-	-	-	-	-		-	-	-	-		-	-	-	-	-		-	-
	MILLET	-113.47000 53.10000		0.23	4794	4117	84176	128	2850	2727	54795	20	383	147	3126	26	563	458	9332	17	361	191	4301	0	0
	MONITOR	-110.57000 51.98300		11.23	86	72	81482	12	7980	37	44463	1	1509	4	2765	2	1193	5	3185	1	542	2	1915	0	99
	MORNINGSIDE	-113.63000 52.58300		6.65	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MULHURST NEVIS	-113.98333 53.05000		10.22	222	202	87770	8	2691 1982	89	49686	0	0 222	18	4834	2	410	32	9918 4424	1	155	17	4585	1	95
	NEVIS NISKU	-113.03000 52.33300 -113.53000 53.33300	188 76	6.97 0.00	69 317	48 242	53059 79427	3 6	2023	29 133	36461 42122	1	222	4	2089 1888	0	111	5 66	4424 22665	0	0 1618	3 13	1625 4233	0	0
	PONOKA	-113.58000 52.68300		4.20	2203	2175	95515	109	3742	1579	71248	14	567	125	4538	35	1179	234	10344	8	288	67	2386	6	139
	RIMBEY	-114.23000 52.63300		13.95	4828	2903	58929	193	2860	1682	35645	24	431	131	2371	30	419	271	5566	18	373	285	5375	0	26
	ROLLY VIEW	-113.32000 53.25000		0.10	416	290	69361	6	1483	206	48573	1	228	8	1891	1	222	28	6853	1	218	9	2268	1	60
OC2L0	STETTLER	-112.95510 52.33280		5.70	4298	3106	71815	145	2913	2180	51471	22	471	75	1554	23	468	236	5266	14	327	213	4557	0	0
	STETTLER	-112.74130 52.32610		7.96	2271	2054	88410	90	3282	1415	62187	18	755	50	1938	10	343	150	6258	8	335	139	5519	0	0
	STETTLER SUNNYBROOK	-112.72940 52.31370 -114.17000 53.26700	119 352	0.30	1305 220	1195	87317 57071	89 5	4233 1696	790 75	64007 37680	11	883 497	42	2059 4093	14 0	559 96	72 11	3894 5254	5	382 209	99	5626 2626	11	271 205
0C2M0 0C2N0		-114.17000 53.26700 -113.32000 52.46700		0.30 14.50	541	335	62180	10	1696 1649	200	37680 37209	1 2	497 340	9	4093 1645	2	96 373	29	5254 5204	0	209 77	28	2626 5192	1 6	205 149
	THORSBY	-114.03000 53.23300	302	4.19	2966	2238	75542	84	2225	1379	49197	8	245	125	3847	24	598	253	8108	12	396	96	2724	1	241
	THRONE	-111.28333 52.05000	671	4.42	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
	VETERAN	-111.12000 52.00000	927	16.29	756	546	68979	42	4409	330	43519	7	831	29	3179	8	747	54	6939	3	450	11	1378	3	249
	WARBURG	-114.32000 53.18300		5.60	1806	1155	63849	56	2426	775	43796	9	435	51	2514	12	443	93	5040	5	276	42	1975	0	0
	WESTEROSE	-114.07000 52.91700		14.58	1035	685	66656	38	3028	399	42708	7	831	21	1787	5	399	86	7431	9	723	49	3958	0	176
	WINFIELD LACOMBE SUB 1	-114.43000 52.96700 -113.75300 52.47400		12.91 3.96	1108	627	53215	40	2579	344	31472	5	358	30	2312	6	348	36	3142	3	289	42	2801	1	91
	STETTLER SUB 1	-113.73300 32.47400		0.38	0						-		-				-		-			-			-
	PONOKA SUB 1	-113.57630 52.67680		1.57	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
	ALBERTA BEACH	-114.35000 53.68300	173	0.34	1559	1260	80241	44	2121	796	54100	4	218	48	2253	6	263	129	8192	5	267	90	4673	4	184
	BLUE RIDGE	-115.37000 54.13300		2.00	466	363	77348	19	3902	250	53257	3	565	24	4911	4	724	28	5914	2	434	17	3676	1	93
	BRULE	-117.87000 53.28300	701	0.00	189	117	60071	4	1949	83	42780	1	395	2	789	0	0	20	9829	1	326	2	954	1	121
	CADOMIN CARROT CREEK	-117.33000 53.03300 -115.85000 53.61667		0.00	104 329	88 183	89881 53450	2	1852 2556	56 103	57526 30461	0	229 173	1 15	1255 4089	0 2	0 485	15 8	14405 2501	0	0	2 24	1826 6920	1	244 383
	CARVEL	-113.85000 53.61667		10.62 0.57	2618	1996	76402	40	1935	1490	55240	5	173	86	4089	7	485 359	173	6539	10	377	39	1806	0	383
	CHERHILL	-114.67000 53.90000	124	1.09	570	335	58641	17	2145	195	36483	2	327	23	3679	3	380	44	6635	3	313	29	4226	0	0
	CYNTHIA	-115.15000 53.13300		9.05	48	51	95263	2	3224	35	66700	0	0	2	2689	0	0	2	3575	0	1122	0	513	0	0
	DARWELL	-114.82220 53.77350	139	1.30	539	372	68029	11	1403	270	51533	0	67	25	3677	3	419	30	4931	2	271	10	1622	0	14
	DRAYTON VALLEY	-114.98000 53.21700	82	1.85	8094	7753	93728	225	3069	5545	66084	51	638	146	2016	45	648	706	8607	33	426	294	3704	0	0
	DUFFIELD	-114.33000 53.53300	208	2.87	2094	2496	112318	78	3782	2026	90059	14	507	140	6404	30	1342	123	5409	8	395	41	2054	2	65
	EDSON ENTRANCE	-116.45000 53.58300 -117.68333 53.36667		5.94 0.01	123	25	21278	0	0	16	13193	0	0	1	694	0	0	1	985	0	0	4	3749	0	53
	ENTWISTLE	-117.08333 53.30067	825 152	0.01	0 927	803	87294	32	2776	554	61935	4	444	33	3071	- 0	713	90	9507	6	580	25	2343	2	341
	EVANSBURG	-115.02000 53.60000		4.37	1706	1446	85661	57	2301	1073	65881	8	387	60	2732	13	433	142	7710	6	313	33	1535	0	0
	FALLIS	-114.58000 53.56700		0.16	359	224	52757	10	1252	126	36953	0	148	24	3238	2	188	12	3223	1	69	34	4158	0	0
	GAINFORD	-114.78000 53.58300	122	3.60	187	110	56593	9	4236	67	37309	1	919	6	2800	1	431	13	6082	1	357	8	2741	0	0
	GLENEVIS	-114.57000 53.83300		22.22	929	2274	249085	49	5057	1826	196585	12	923	134	15753	24	2252	76	7711	4	358	26	3531	2	369
	GRANDE CACHE	-119.13000 53.88300		1.21	4715	4037	88272	160	5353	2755	56919	54	1338	85	2214	19	497	283	6004	28	696	165	3904	0	193
	GREEN COURT GUNN	-115.23000 54.01700 -114.35000 53.73300		0.78 2.84	1 1391	972	72363	52	2908	566	45357	-	478	47	3245	7	420	121	8712	- 6	376	64	3975	0	0
	HINTON	-117.57000 53.40000		0.05	70	23	34054	1	840	11	16660	0	0	7	7323	0	366	4	5343	0	474	0	0	1	314
	HINTON P O STN A	-117.87160 53.30710		0.00	36	4	14165	0	0	3	8971	0	0	0	0	0	0	1	4070	0	0	0	0	0	0
	JASPER	-118.09790 52.87020	1433	0.00	4483	1986	48441	77	2245	1417	33941	13	358	100	2771	17	492	206	5156	11	278	43	1160	0	108
	JASPER	-118.09790 53.00000		0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LAKE ISLE	-114.71667 53.65000		6.74	190	212	120859	8	3319	108	60215	0	204	19	9302	3	1139	26	16116	1	229	11	4644	2	340
	LISBURN LODGEPOLE	-114.76667 53.85000 -115.30000 53.10000		10.36 9.81	0 224	121	54223	4	2082	- 86	37961	1	712	3	2025	1	674	13	5654	0	156	7	3355	2	756
	MACKAY	-115.58000 53.10000 -115.58000 53.65000		4.28	0	121	J+223 -	-	2082	- 00	3/901	1	/12	-	2023	-	- 074	- 13	5034	-	130	_ ′		-	/30
	MARLBORO	-116.78000 53.55000		5.58	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAYERTHORPE	-115.13000 53.95000		0.59	3938	3506	86474	193	4285	2375	60031	39	931	143	3225	39	870	297	7453	27	671	199	4705	0	0
T0E1P0	MEADOWVIEW	-114.66666 53.98333	388	0.88	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MOON LAKE	-114.95000 53.45000		20.17	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NITON JUNCTION	-115.77000 53.61700	593	13.92	642	352	53904	18	2581	198	31301	3	437	20	2948	4	650	53	7595	3	453	47	6724	4	256
	NORTHVILLE ONOWAY	-115.35000 53.61667 -114.18000 53.71700		7.85 1.85	0 4121	3795	92240	102	2411	2681	65611	10	236	194	- 4718	24	- 576	285	6806	17	389	129	3013	1	279
	ONOWAY PEERS	-114.18000 53.71700 -115.98000 53.66700		3.03	4121 1168	679	92240 57539	32	2616	388	33341	4	236 344	31	2643	3	229	285 58	6806 4823	3	389 236	113	3013 9157	2	279 766
0E1W0		-116.97000 53.21700		0.41	273	297	100019	16	5160	211	71564	2	698	9	2709	2	513	37	12190	3	1062	113	4607	0	229
	ROCHFORT BRIDGE	-115.05000 53.21700	309	0.41	150	95	66799	13	7482	64	46909	2	1565	7	5484	3	1886	8	4971	3	1933	4	2081	0	0
	ROCKY RAPIDS	-114.95000 53.28300	368	3.32	377	355	89896	9	2645	230	56713	1	349	20	5767	2	502	44	11526	3	890	20	4826	6	202
	SANGUDO	-114.88000 53.88300	199	1.05	1327	1042	79424	64	4282	660	53476	16	1199	44	3090	12	845	72	5151	4	312	84	5428	0	0
	SEBA BEACH	-114.73000 53.56700	114	17.36	714	504	72667	20	2729	361	52919	4	671	14	1620	3	333	52	7604	3	450	13	1678	0	0
	SPRUCE GROVE	-113.90000 53.55000	9	0.29	135	31	22230	0	200	21	14441	0	0	1	817	0	0	3	1898	0	0	1	864	2	201
	STANGER	-114.81667 53.76667	153	7.85	0	-	-	-	-	l -	-	-	-	l -	-	-	-	-	-	-	-	l -	-	-	-

					nformation			al Respir				espiritory					monia			Ast				Brone		
Postal Code	Postal Code Name	Latitude	Longitude	Area km2	Flaring Vol. 1000m3/km2/vr	1	Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/vr	Rate of	Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/vr	Rate of Hosp. visits		Rate of Phys. Claims	Hospital Visits/vr	Rate of Hosp. visits		Rate of Phys. Claims	Hospital Visits/vr	Rate of	Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/vr	Rate of Hosp, visits
Code	STONY PLAIN	-114.00000	53.53300	200	3.82	8328	6827	81133	149	1789	5100	60365	14	154	246	2948	29	340	568	6769	28	327	179	2229	0	0
	TOMAHAWK	-114.77000		327	8.50	636	447	71989	13	1950	283	47044	2	362	18	2605	4	570	54	8421	1	139	22	3471	0	0
	VIOLET GROVE	-115.03333		124	9.79	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	WABAMUN WHITECOURT	-114.47000 -115.65000		85 659	0.00 6.65	1345 83	928 24	68176 29136	42	2704 915	603 13	45514 15701	2	136	43	2855	0	594 0	99	7086 3720	7	435 0	35 2	2403 2173	0 12	0 255
	WILDWOOD	-115.03000		393	5.31	1495	1122	73310	56	2888	734	50213	6	384	60	3254	15	770	144	9029	5	276	41	2396	0	118
	WINTERBURN	-113.68333		61	36.35	2835	3090	108192	65	2816	2352	80566	14	494	155	6049	17	822	189	6612	9	318	71	2759	0	0
T0E2P0	WHITECOURT SUB N	-115.68040	54.12760	2252	3.06	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SPRUCE GROVE SUB			83	0.03	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EDSON SUB 1	-116.47170		815	15.16	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HINTON SUB 1 STONY PLAIN SUB 1	-117.59160		63 98	0.11	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DRAYTON VALLEY S			74	5.96	0					_															
	JASPER SUB 1	-118.08070		1785	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0E2Y0	KAPASIWIN	-114.45000	53.55000	138	9.49	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0E6P0					0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ALCOMDALE	-113.83000			1.14	242	147	57928	3	1094	110	43271	0	0	2	983	0	120	9	3473	1	397	10	4055	2	71
		-113.30000		1386	0.15	5627	4166	72962	279	4487	2366	41677	69	1150	114	1916	36	578	358	6260	57	962	876	15259	0	0
	ATIKAMEG BARRHEAD	-115.85000 -114.42000		2463 133	15.02 0.18	781 79	637 20	81882 25413	108 1	13729 793	293 16	34864 19718	31 0	3378 437	98	11429 881	36	3722 0	50	5476 400	12	1390	120	18628 874	1	131 0
	BLOOMSBURY	-114.42000		236	0.14	92	71	81014	2	1372	43	45085	0	221	3	2121	0	0	1	705	0	0	2	2492	0	0
	BUSBY	-113.88000		350	0.45	891	647	72670	27	2701	361	41658	3	373	17	1716	3	299	89	9672	5	517	60	6408	1	136
	CALAHOO	-113.95000		260	2.07	1128	1019	90547	22	2197	715	63063	3	296	32	2815	4	352	99	8707	3	266	44	4065	0	0
	CALLING LAKE	-113.33334		3956	0.06	655	1012	138569	96	11762	558	76391	37	4332	39	5266	21	2670	88	10624	21	2170	259	36774	2	215
	CAMP CREEK	-114.77540		323	0.11	164	123	81270	3	1841	50	31156	1	587	4	2459	0	186	23	13293	1	720	3	1894	0	299
	CANYON CREEK	-115.08000		448	3.31	262	325	120503	16	6032	150	53320	3	1172	16	6972	3	1005	33	12206	2	875	63	24784	6	944
	CHISHOLM MILLS CLYDE	-114.16666 -113.63000		1526 216	0.03	31 873	10 709	31813 83593	0 30	0 2982	6 458	17829 55845	0 5	0 542	0 21	0 2022	0	0 421	73	2207 8510	0	0 573	2 55	4036 6088	0	0
	COLINTON	-113.03000		286	0.03	469	286	59605	31	5171	158	36099	5	1384	10	1406	5	742	30	5449	5	906	58	11182	0	0
T0G0S0		-113.23000		358	0.13	601	409	66077	11	1748	275	44734	4	724	15	2409	2	356	35	5646	1	206	37	5702	2	204
T0G0T0	DESMARAIS	-113.80000	55.95000	7048	2.72	1299	3030	214440	208	16103	1994	136331	82	5260	178	14663	45	3858	200	16196	32	2762	404	33165	0	0
T0G0V0	DRIFTPILE	-115.76667	55.33333	1112	0.02	605	1547	215354	57	9299	820	125070	19	3061	84	17723	21	4676	66	10043	5	792	352	62324	1	264
	ENILDA	-116.32000		782	0.58	519	665	125014	47	9298	366	66959	10	1681	37	7840	4	826	32	6103	5	1152	153	29401	0	0
	FAUST	-115.62000		782	1.99	416	442	105259	22	4789	250	59696	6	1347	16	3783	4	993	19	4413	2	383	92	21838	1	242
	FAWCETT FLATBUSH	-114.10000 -114.15000		443 1322	0.04	449 414	332 257	70941 63164	21 12	3812 2588	224 189	50784 46557	4	850 568	9	1858 1662	2 2	318 478	30	5559 2364	3	524 169	21 23	3860 5634	0	0 94
		-114.13000		966	0.10	1161	762	64993	26	2158	447	38546	2	196	48	4059	5	408	114	9729	3	287	51	4255	0	0
	GIFT LAKE	-114.77000		4069	7.59	610	778	122407	92	13845	395	59926	33	3764	70	9775	25	3354	58	8888	12	1740	184	30663	0	0
		-116.15000		1173	2.62	684	1236	169596	82	12355	711	95957	35	4491	51	7163	13	1807	67	9780	6	786	289	43626	1	171
T0G1E0	HIGH PRAIRIE	-116.48000	55.43300	319	9.01	7028	8329	114342	511	7064	4650	63344	176	2286	350	4697	90	1197	426	5668	47	653	1810	25054	0	0
	HONDO	-114.03333		878	0.09	135	111	87714	6	3616	60	48907	2	1380	6	3722	2	878	16	13424	1	952	15	10076	6	134
	JARVIE	-113.98000		469	0.08	529	426	80968	18	2873	289	55574	3	527	17	3077	2	314	25	4595	2	371	32	6006	10	237
	JOUSSARD KINUSO	-115.95000 -115.43000		769 853	0.65	452 961	528 1230	116295 121876	32 47	6586 4651	295	65776 59461	6 13	1167 1339	18	4053 4791	5 11	1031 1047	32 71	6796 7011	3	574 545	121 189	26508 19766	5	145 87
T0G1L0		-113.43000		273	3.65	2259	1944	84251	66	2580	589 1180	51768	4	178	48 97	4127	10	411	259	11085	5 13	565	121	5144	0	0
	LONE PINE	-115.11667		1136	0.03	25	17	68399	1	3287	9	44052	0	0	1	3090	0	1545	4	11464	0	0	1	5400	0	0
	MEANOOK	-113.33334		394	0.03	0	-	-		-	-	-	-	-	-	-	-			-	-	-	1	-	-	-
T0G1P0	MORINVILLE	-113.63000	53.80000	209	5.58	5998	6142	98176	133	2649	3991	61561	21	329	245	4477	23	481	530	8657	29	528	593	9889	2	161
	NEERLANDIA	-114.38000		337	0.04	878	520	59483	23	3192	295	30684	3	194	42	5704	7	1087	71	8779	2	314	51	6276	0	0
	NESTOW	-113.60000		223	0.13	64	43	63624	1	876	31	49182	0	0	1	338	0	169	1	2245	0	0	1	2314	0	0
	PERRYVALE	-113.38000 -113.87000		418 291	0.04	191	74	38281	9	3828	40	23434	2	1007	4	2030	2	1071	5	1460	1	219	17	8752	5	392
		-113.87000		313	0.07	0 861	556	65118	27	2729	341	41073	4	511	15	1805	3	246	35	4301	3	389	44	4391	- 0	0
		-115.25000		5636	5.40	789	715	81160	60	8181	338	36353	19	2397	57	7121	20	2088	91	9523	3 11	1232	113	14177	0	450
	RIVIERE QUI BARRE			211	1.56	415	343	79918	10	2453	215	49854	1	231	15	3455	2	607	41	9762	3	719	28	6516	1	75
T0G1Z0	ROCHESTER	-113.47000	54.36700	331	0.12	693	556	79341	25	3082	316	47934	4	591	40	5231	5	550	45	6529	2	255	53	7216	5	277
	SLAVE LAKE	-115.24000		899	0.41	2615	2867	109292	106	4534	1564	57993	29	1117	146	5986	22	919	215	8332	27	1092	380	15423	0	0
	SLAVE LAKE	-114.77540		1216	4.23	1133	1470	125023	66	6165	779	65153	19	1446	59	4580	11	971	179	14712	22	2053	181	17254	0	0
	SLAVE LAKE	-114.77430		1420 1420	0.00	607	643	107898 115884	29	7352 4703	337	54446	6	1487 1341	34	6967	7	1213	49	8363 6587	4	806	81	14923	13	919
	SLAVE LAKE SLAVE LAKE	-114.77430 -114.77430		1420	2.10 0.00	2430 991	2835 1155	108306	64 31	4703	1724 674	66253 58514	20 12	1341	124 35	5727 4613	15 9	1056 1254	174 83	10429	5	538 998	301 138	15925 13975	1	432
		-114.77430		1949	0.00	647	566	86412	31	4848	289	43235	8	1209	37	6035	9	1508	41	6094	4	647	101	15700	1	358
	SWAN HILLS	-115.40000		4690	9.80	2378	2567	97987	53	3027	1964	70579	13	525	94	5875	8	329	248	9977	10	428	29	1421	0	57
	TAWATINAW	-113.48333		263	0.08	57	39	68083	1	2262	22	36706	1	1552	2	2296	1	711	6	15196	0	0	4	6099	11	764
T0G2G0	TIGER LILY	-114.76667	54.18333	188	0.13	132	105	85248	1	1079	40	35244	0	0	3	2315	0	257	25	15314	1	457	7	5534	4	180
T0G2H0		-114.37000		677	0.03	169	105	60919	4	2004	61	36297	1	626	5	2990	1	264	14	7134	0	0	9	5558	10	211
		-113.65000	54.06700	222	0.27	707	548	80013	14	2232	344	48407	4	650	17	2574	1	180	49	6563	3	337	35	4988	0	0
TOG2J3		112 00000	EE 00200	4404	0.00	l 1676	2040	206000	240	14743	2619	124612	- 00	- 5152	250	16255	-	1051	222	11047	- 22	1240	-	25642	-	- 471
	WABASCA WESTLOCK	-113.88000 -113.85000		169	0.03	1676 8317	3949 6983	206908 83511	249 345	3110	2618 4469	134612 56314	99 53	5153 588	258 293	16255 3059	65 44	4054 413	223 597	11947 6820	23 46	1340 496	557 504	35642 5323	0	153
		-115.03000		1452	3.29	426	358	79448	15	3631	195	40503	4	711	11	2871	2.	704	43	8567	40	888	41	10424	3	76
	TROUT LAKE	-114.53000		3884	0.03	565	715	111424	59	10650	253	37751	20	3520	57	11444	20	3663	86	10293	12	1374	122	21591	3	369
		-114.40940		513	10.62	0	-	- '	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
TOCOTO	WESTLOCK SUB 1	112 94970	54.14910	169	0.11	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			Postal C	ode I	nformation		Tota	ıl Respir	itory Dis	ease	R	espiritory	v Infectio	n		Pneur	nonia			Astl	hma			Brone	chitis	
Postal	Postal Code	Latitude	Longitude	Area	Flaring Vol.	Population	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of		Rate of	Hospital		Physician	Rate of	Hospital	Rate of
Code	Name HIGH PRAIRIE SUB. 1	-116.48080	55.43490	517	1000m3/km2/yr 2.09	0	Claims/yr	Phys. Claims	Visits/yr	Hosp. visits	Claims/yr	Phys. Claims	Visits/yr	Hosp. visits	Claims/yr	Phys. Claims	Visits/yr	Hosp. visits	Claims/yr	Phys. Claims	Visits/yr	Hosp. visits	Claims/yr	Phys. Claims	Visits/yr	Hosp. visits
	PEERLESS LAKE	-114.57000		12205	2.00	91	140	120158	11	7267	66	55403	5	3672	19	12030	4	2150	9	7677	1	375	24	25059	0	0
	BAY TREE	-119.90000		622	15.31	300	13	4127	2	648	4	1206	0	0	0	105	0	0	3	1165	1	276	2	681	3	316
	BEAR CANYON	-119.82000		880	12.41	132	9	7144	1	597	7	5490	0	0	1	597	0	299	0	215	0	0	0	0	1	47
	BEAVERLODGE BERWYN	-119.42000 -117.73000		394 339	0.46	3788 983	2846	72047 61830	148 63	3464 5421	2037 289	52220 30456	22	548 889	159 38	3825 3483	24 14	573 1138	137	3426 5400	13 13	322 1227	67	1676 12092	0	0
T0H0E0		-117.73000		1010	0.15 4.04	983 626	617 416	61830	22	3507	289 310	30456 49663	4	644	38 7	3483 1075	14	1138	58 21	3363	13	105	121 29	12092 4714	0	0 70
	BLUEBERRY MOUNT	-119.15000		942	14.45	109	51	46812	2	2434	29	26412	0	238	ó	365	0	0	5	4908	0	366	5	3486	0	0
ТОНОЈО	BLUESKY	-118.23000		376	0.10	440	268	59813	17	3766	141	31479	3	735	12	2536	3	521	27	6563	2	406	38	8205	0	53
T0H0K0	BONANZA	-119.81667		453	8.09	470	36	8013	3	489	23	5271	0	70	2	485	1	163	5	973	0	70	2	421	0	0
	BROWNVALE	-117.88000		467	0.05	405	288	71036	18	4094	143	36274	3	649	22	5102	8	1785	18	4524	2	581	59	14128	13	504
	BUFFALO CREEK CADOTTE LAKE	-119.02720 -116.38000		287 4740	30.59 0.38	0 432	464	94353	- 56	13923	289	55327	10	2044	46	12493	24	5261	29	5156	10	2035	72	16271	-	179
	CALAIS	-117.48130		1305	3.92	269	298	116329	31	12612	185	69220	9	2714	9	3748	3	1269	29	8721	4	1676	50	21255	1	187
T0H0R0		-117.03000		5188	0.01	20	23	95385	1	2639	15	66478	Ó	0	1	4303	0	0	2	6694	0	1216	1	2700	0	0
T0H0S0	CHATEH	-118.60000	58.66666	8662	8.44	985	575	54781	75	6865	378	35340	28	2050	82	8268	28	2822	30	2384	4	304	32	3648	0	73
	CHERRY POINT	-119.95000		262	16.26	64	5	7404	1	1260	2	3425	0	525	0	0	0	0	1	1768	0	442	1	884	0	174
	CHINOOK VALLEY	-117.65000		937	0.71	0	702		- 20	- 2220	-	40025	-	-	- 27	2715	-	261	-	2002	-	- 220	- 20	21.62	-	-
	CLAIRMONT CODESA	-118.78000 -118.06667		212 506	30.28 7.80	1379	792	54771	28	2228	600	40925	8	571	37	2715	5	361	56	3902	5	320	28	2162	0	0
	CROOKED CREEK	-117.86667		1582	0.48	871	481	54124	26	2938	330	36670	6	630	15	1743	5	558	31	3487	2	247	46	5394	0	261
T0H0Z0		-117.53333		362	0.27	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DEADWOOD	-117.42000		2243	0.00	219	128	67479	8	2850	95	52437	1	571	5	1629	1	281	8	3898	1	670	5	2188	1	87
	DEBOLT	-118.02000		815	1.23	819	404	48821	18	1921	312	38020	2	203	13	1505	2	258	22	2343	2	184	11	1289	4	145
	DEMMITT	-119.90000		611 955	8.70 0.07	73 522	42	56261	3	4011 4156	30 197	40352 36738	0	0 622	4 19	5476	1	1344 1060	3	3783 2890	0	0 347	1 52	1596 9663	0 2	15
	DIXONVILLE DONNELLY	-117.67000 -117.10000		955 280	3.28	532 628	355 492	65108 78393	24 32	4156 5137	303	36/38 48337	4	622 591	20	3451 3205	4	1060 699	16 36	2890 5649	5	720	52 52	9663 8431	0	200
	EAGLESHAM	-117.10000		308	2.42	537	261	48988	13	2260	161	30785	2	450	10	1675	1	91	29	5578	3	664	19	3430	0	0
T0H1J0	ELMWORTH	-119.61667	55.05000	3349	1.25	152	62	39963	3	2416	45	29146	0	288	5	3136	1	523	2	1116	0	0	1	676	4	505
	EUREKA RIVER	-118.73333		1806	3.07	110	34	32550	2	1587	19	17795	1	544	1	1059	1	642	3	3488	0	0	5	4555	1	133
	FAIRVIEW	-118.38000		697	3.32	5181	3266	61409	191	3398	1674	31851	38	694	133	2363	29	513	220	4077	15	272	502	9435	0	0
	FALHER FORT VERNALION	-117.20000		213 4930	3.32 0.00	2181 3443	1533 3178	68671	117	4270	903	42258	14 180	638 4846	68 95	2567 2839	20	675	139	6041	13 23	521 582	168	6953 5466	2	406 0
	FORT VERMILION FOX CREEK	-116.00000 -116.80000		6613	4.46	2504	2143	91707 84514	354 36	11214 2084	2281 1575	62087 59283	180	4846	95 49	2839	39 4	1157 214	125 194	3382 7156	7	241	183 43	3617	1	97
	FOX LAKE	-114.51666		26675	0.00	1218	755	57512	176	14378	582	38113	106	7279	51	5645	34	2474	19	1466	5	389	38	3270	1	159
	GIROUXVILLE	-117.33000		253	0.77	813	531	64332	30	3287	351	43659	4	450	20	2349	4	474	46	5335	7	767	55	6184	0	0
	GOODFARE	-119.71667		429	0.36	84	54	66029	4	7636	43	52658	0	265	3	3501	1	875	1	1214	0	374	1	639	4	52
	GORDONDALE	-119.35000		896	19.67	119	16	14492	1	429	11	10311	0	0	1	555	0	0	2	1479	0	0	2	1810	0	0
	GRIMSHAW GROVEDALE	-117.62000 -118.86667		455 4076	0.15 8.76	3942 744	3129 381	77351 50165	217 19	5429 2846	1607 297	39350 38725	43	1020 284	117 17	2954 2419	34 5	866 714	274 19	6672 2387	41	993 214	630 15	15794 2278	0	0 871
T0H1Y0		-117.22000		1003	0.65	183	103	56881	3	1565	67	37095	0	0	4	2061	1	443	2.	1518	0	234	17	9666	2	63
	HIGH LEVEL	-117.15000		5204	0.00	5287	4015	74342	178	4101	2760	47719	61	1052	160	3451	28	563	342	5935	21	440	186	4132	2	91
T0H2A0	HINES CREEK	-118.60000	56.25000	1216	1.01	1601	764	46805	72	4306	388	23725	9	572	42	2528	12	733	45	2657	7	483	126	7905	0	195
	HOTCHKISS	-117.55000		2863	0.00	120	70	57522	4	3243	54	44888	1	569	0	301	1	464	2	1492	0	0	3	2270	0	224
T0H2C0		-119.57000		248	15.66	1908	1490	72852	122	5218	1119	55446	28	1329	72	3161	28	1143	79	3600	7	355	37	1706	13	158
T0H2E0 T0H2G0	JEAN COTE KEG RIVER	-117.32000 -117.85000		445 7673	5.54 0.24	225 303	122 221	53897 73433	7 16	3051 5146	79 153	35702 50525	3	586 897	13 11	5226 3495	2	844 1000	4 11	1571 3728	0	0 583	11 12	4528 4027	0	0
	LA CRETE	-117.83000		1457	0.24	4484	1838	40850	123	3078	1239	25715	5 51	985	56	1169	13	282	110	2546	9	244	154	3643	0	0
	LA GLACE	-119.15000		528	36.29	582	344	57170	22	2876	251	43048	3	401	17	2700	1	218	16	2417	3	371	9	1300	7	944
T0H2K0	LYMBURN	-119.78333	55.35000	282	3.19	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MCLENNAN	-116.92000		1181	0.04	1200	1266	101564	84	5900	679	55689	15	1184	71	4955	15	954	116	9130	13	961	191	15354	0	0
	MANNING MARIE REINE	-117.63000 -117.28333		594 334	0.05	2575 99	2257 48	86013 45852	149 0	5099 487	1701 35	65484 32814	34 0	1216	53	1894 1054	26 0	834 487	110	4102 2303	9	334	53 5	1998 5639	3	71 0
	MEANDER RIVER	-117.28333		22680	0.00	99 375	48 441	45852 107696	38	487 7846	295	32814 75335	10	2359	43	1054	0 11	2925	9	2303	1	149	38	10257	0	0
T0H2R0		-117.70000		186	0.00	1186	596	48372	51	3919	319	26159	8	618	67	5212	14	1037	53	4263	10	778	90	7196	0	0
T0H2S0		-117.25000		760	0.02	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NORTH STAR	-118.03000		4094	1.03	181	157	85299	8	4323	127	69320	4	2418	5	2793	2	870	6	3181	0	170	4	2250	1	94
	NOTIKEWIN	-117.57000		1494	0.05	46	43	85264	2	2584	31	61167	1	845	0	0	0	282	5	8056	1	884	1	2841	0	54
	PADDLE PRAIRIE PEACE RIVER	-117.48000 -117.30000		2650 574	0.01	423 97	433 16	100865 17457	25 0	6914	314 6	69854 6763	7	1465	20	4568 0	6	1531	33	9409 4465	5	1603	21	6074 3982	1	140 0
	RAINBOW LAKE	-117.30000		10889	2.71	1112	364	28909	13	1129	235	18282	4	279	7	532	1	92	69	5599	5	401	14	1179	1	52
T0H2Z0		-117.00000		1231	0.46	0	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-
T0H3A0	RYCROFT	-118.72000	55.75000	358	5.92	1173	716	60482	62	4737	427	37451	8	690	37	2688	8	569	65	5676	12	1077	71	5846	0	0
T0H3B0		-117.08000		1178	0.02	360	166	44424	7	1755	130	34842	2	467	3	949	1	329	5	1322	1	175	14	3523	1	173
	SEXSMITH	-118.78000		460	5.91	3680	2323	61527	108	3011	1741	45776	20	512	76	2134	13	378	198	5316	17	466	71	1930	1	73
	SILVER VALLEY SPIRIT RIVER	-119.56667 -118.83000		709 639	19.52 12.56	271 2496	79 1606	29230 62593	3 134	1190 3993	42 970	15358 40045	1	392 399	3 60	1226 1846	0 16	146 474	7 133	2581 5119	0 20	0 692	6 138	2079 5257	3	624 219
	SUNSET HOUSE	-116.83000		2098	2.33	2496	137	62593 44847	134	2420	66	23024	3	782	6	1802	0	136	18	3114	3	386	22	7859	3	202
T0H3H0	TANGENT	-117.67000		375	12.71	287	135	49052	4	1208	80	29030	0	143	6	1836	2	555	11	4230	0	150	18	6168	0	0
	TEEPEE CREEK	-118.28350		985	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0H3L0		-119.61550	55.05370	335	0.48	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0H3M0		-119.38000		658	56.72	309	203	60991	10	2529	142	44016	2	584	6	2221	1	372	10	3174	1	183	7	1717	1	92
	VALLEYVIEW WANHAM	-117.27000 -118.38000		838 635	4.79 0.11	4915 729	3639 353	73274 47896	183 17	4124 1920	2432 223	47995 31895	48	985 179	113 17	2474 1911	33	712 205	239 25	4859 3295	22	478 558	438 30	9256 3782	3	169 1559
10115110	TT CALVITATIVE	-110.30000	22.12200	033	0.11	147	333	4/020	1/	1920	443	31073	1	1/7	17	1711	-	203	1 23	3493	4	220	30	3102	0	1339

			Postal C	ode I	nformation		Tota	l Respir	itory Dis	ease	R	espiritory	Infectio	n		Pneu	monia			Astl	hma			Brone	chitis	
Postal	Postal Code	Latitude	Longitude	Area	Flaring Vol.	Population	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital		Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of
Code T0H3R0	Name WATINO	-117.82000	55 70000	718	1000m3/km2/yr 2.29	64	Claims/yr	Phys. Claims 84932	Visits/yr	Hosp. visits 9256	Claims/yr 14	Phys. Claims 50330	Visits/yr	Hosp. visits 1151	Claims/yr 8	Phys. Claims 11951	s Visits/yr	Hosp. visits 3655	Claims/yr	Phys. Claims 4097	Visits/yr	Hosp. visits	Claims/yr 1	Phys. Claims 4870	Visits/yr	Hosp. visit:
T0H3S0	WEMBLEY	-119.13000		591	7.53	2697	1642	58736	64	2637	1233	42996	13	411	59	2226	9	338	97	3555	10	411	59	2301	2	337
T0H3T0	WHITELAW	-118.07000		576	0.03	260	157	58157	12	4034	80	31095	1	255	9	2934	2	844	5	2108	1	393	31	11463	1	537
	WOKING	-118.77000		733	3.89	488	226	46697	16	2771	138	29403	1	229	13	2584	3	417	15	3315	2	315	33	6135	4	179
	WORSLEY	-119.33000		1493	20.74	687	195	26822	18	2552	89	12397	2	336	14	2161	4	650	10	1297	0	37	24	3284	0	0
	JOHN D'OR PRAIRIE CLEARDALE	-115.13333 -119.25000		12787 7361	0.00 2.35	3 433	158	31536	11	1699	92	18218	3	535	-	1564	2	318	- 8	1125	0	45	26	5126	1	153
	LITTLE SMOKY	-117.17000		4873	6.97	164	89	49659	3	2213	59	33127	1	534	1	803	0	0	4	2132	0	215	13	7252	4	337
	BUFFALO HEAD PRA	-116.35000		6040	0.00	251	94	29877	5	1174	65	20348	2	580	1	132	1	198	3	850	0	0	8	2750	0	0
	PEACE RIVER	-117.30000		574	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GUNDY	-118.28350	55.49550	985	4.16	49	0	915	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	127
T0I1S0 T0J0A0	ACADIA VALLEY	-110.20000	51 16700	973	0.00	0 368	321	86455	13	2970	207	59875	2	553	15	3090	- 1	114	22	6056	-	281	7	1569	0	0
TOJOAO TOJOBO	BASSANO	-110.20000		1000	6.84	2058	1936	91977	141	5956	1234	59996	19	877	58	2692	14	590	175	8091	24	1047	71	3316	5	511
T0J0C0	BEYNON	-112.78333		311	16.14	0	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0J0E0	BIG STONE	-111.20000	51.20000	1522	0.35	10	11	88352	1	4293	6	90325	0	0	0	0	0	0	3	72070	0	0	0	2918	1	167
T0J0G0	BIG VALLEY	-112.75000		516	1.79	708	606	78508	34	2944	445	61535	6	579	26	2569	5	448	40	4299	2	214	32	3171	3	276
ТОЈОНО	BINDLOSS	-110.18000		1015	0.23	153	173	112798	7	4532	121	80986	2	1110	4	2229	1	526	17	10766	1	456	9	5035	0	0
T0J0J0	BROOKS	-111.88000		268	8.89	102	24	23042 54938	1	2284 2367	17	17676	0	0	1	497	0	0	1	1146	0	0 1005	2	1720	1	210
T0J0K0 T0J0L0	BUFFALO BYEMOOR	-110.66666 -112.28000		2204 716	1.21 4.26	98 380	58 229	54938 55695	3 13	2508	39 145	36794 37216	2	0 540	6 15	6104 2586	0 2	0 395	9 23	7191 5067	2	1005 439	2 11	2484 2413	0	124 82
TOJOMO		-112.28000		378	11.20	997	687	67963	14	1460	433	41877	1	70	23	2358	2	206	87	9134	3	267	29	3104	14	529
T0J0N0		-110.80000		973	0.17	422	318	71381	21	3293	212	49746	4	717	6	600	2	304	26	5586	2	497	3	635	0	0
T0J0P0	CESSFORD	-111.58000	51.10000	646	0.00	119	78	59654	1	915	52	38071	0	0	5	4258	0	271	12	9548	0	0	2	1786	0	0
T0J0R0	CHINOOK	-111.20000		673	0.05	95	52	58918	2	2122	37	41688	0	0	0	468	0	0	8	8964	1	750	0	0	3	872
TOJOSO	CLUNY	-112.87000	50.83300	535	8.05	1108	1487	133820	45	4253	1119	99113	8	649	64	5949	11	1039	68	6972	4	424	49	4820	6	250
T0J0S6 T0J0T0	CRAIGMYLE	-112.25000	51 66700	533	0.00 2.12	0 374	253	67443	- 17	3720	177	47729	2	653	12	2905	2	577	19	4480	2	333	9	2201	0	0
	DALEMEAD	-112.23000		326	6.54	157	88	57386	2	866	61	40208	0	0.55	5	3249	0	0	13	8916	1	429	3	1212	0	0
T0J0W0		-112.37000		437	0.70	655	369	57896	25	2340	236	38672	2	232	15	2091	6	543	45	6671	3	508	37	5269	0	0
T0J0X0	DOROTHY	-112.02000	51.25000	1395	1.17	27	17	69838	2	2153	12	59452	0	0	1	771	0	386	1	3126	0	0	2	3241	0	74
T0J0Y0	DRUMHELLER	-113.06190		321	16.82	3323	2194	65031	126	3458	1385	41853	19	569	122	3326	17	493	244	7197	26	782	197	5804	2	346
	DRUMHELLER	-112.74000		27	17.17	909	641	70696	29	2841	460	51355	3	354	23	2573	6	643	50	5413	4	407	51	5486	0	0
	DRUMHELLER DRUMHELLER	-112.72960 -112.72960		27 27	66.39 0.00	698 315	548 222	77642 76215	33 11	4644 2865	371 160	52200 56842	6	828 414	43 11	6301 2555	5	683 646	44 12	6469 3962	6	901 708	50 24	7138 8477	0	0 74
	DRUMHELLER	-112.72620		43	0.00	582	443	73504	47	4479	249	46482	5	587	32	3688	3	209	46	8105	4	732	40	6646	1	136
	DRUMHELLER	-112.72620		43	0.00	661	553	78289	59	3923	297	50712	3	459	21	1791	8	524	40	5720	3	517	56	7170	1	279
T0J0Y6	DRUMHELLER	-112.72620		43	2.23	1199	948	78820	47	3759	630	52733	5	436	23	1867	6	445	102	8506	11	969	98	8096	0	0
	DRUMHELLER	-112.72620		43	0.00	464	348	71967	16	3278	247	51079	3	501	8	1746	2	496	36	7062	4	836	32	6708	1	111
	DUCHESS	-111.90000		394	9.86	1355	1018	71752	36	2588	719	49644	6	373	51	3787	4	312	105	7435	11	780	35	2663	0	111
	DUNMORE EAST COULEE	-110.58000		514 644	0.53 1.80	651 212	422	65183 76482	14 13	2403 4096	285 70	42932	2	347 0	22 34	3570 8992	3 2	484 992	24 22	3978 12503	1 2	155	33	5080	23	605 292
	ELKWATER	-112.48000 -110.28333		1622	0.00	118	161 69	62665	4	2733	50	42816 48499	0	0	34	2276	1	992	22	1814	0	631	12 7	5136 5117	1 2	368
	EMPRESS	-110.02000		497	0.00	284	256	92317	17	5328	185	68846	3	1224	4	1220	2	456	29	10356	5	1587	9	2665	1	198
T0J1G0	ENDIANG	-112.15000		409	0.14	195	129	63119	9	3801	72	36262	1	313	4	1899	1	575	21	9301	1	452	6	2215	1	221
T0J1H0	ESTHER	-110.26667	51.70000	730	2.72	130	113	89200	7	4023	84	68530	1	526	4	1992	2	804	16	11659	2	1119	0	198	3	280
T0J1K0	FENN	-112.75000		442	8.48	22	12	49154	0	0	10	41498	0	0	0	0	0	0	0	906	0	0	1	3760	2	334
	FINNEGAN	-112.55000		600 929	1.78	27	9 267	22878	0	0	6	16778	0	622	0 10	0	0	0	1 27	1523	0	0 470	0 7	1146	0	24
T0J1M0 T0J1N0	GEM GLEICHEN	-112.18000 -113.05000		929 452	10.10 9.35	375 1812	267 2543	69009 141497	12 90	2935 5276	181 1889	46587 103817	3	622 447	10 152	2735 8904	1 24	322 1450	27 144	6554 7999	2 15	479 812	7	1718 4339	1	186 0
TOJ1P0	HANNA	-111.93000		430	0.74	4500	3094	68536	183	3275	2141	48850	23	498	116	2216	29	538	358	7786	31	599	43	956	13	245
	HILDA	-110.03000		559	0.62	267	138	48742	5	1560	91	32147	0	0	8	2715	2	506	10	3402	1	198	11	4044	2	121
T0J1S0	HUSSAR	-112.68000		517	5.29	721	516	70347	26	3782	315	41870	4	530	26	3658	3	441	37	5027	3	371	34	5071	0	0
T0J1T0	IDDESLEIGH	-111.18000		1786	14.53	45	32	76516	2	3066	19	47279	0	0	2	4960	0	756	4	10919	0	756	3	7964	2	130
T0J1V0	IRVINE	-110.27000		737	0.16	720	522	71717	26	3534	295	40612	3	467	27	3758	4	620	54	7332	4	504	51	7026	1	255
T0J1W0 T0J1X0	JENNER LANGDON	-111.18000 -113.68000		1786 258	0.00 2.00	373 696	310 478	75737 68592	13 10	3355 1607	213 325	50835 46382	2	616 270	15 13	3743 1824	3	914 94	25 41	4740 5825	2	316 300	12 14	4094 2011	9	117 0
	LANGDON LYALTA	-113.68000		288	0.00	159	109	73040	3	1776	68	46382	0	0	16	11389	1	427	5	3244	0	244	7	4515	1	30
	MICHICHI	-112.53000		321	3.07	0	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		-
T0J2A0	MILLICENT	-111.76667	50.70000	174	2.17	47	33	60463	4	6769	18	31532	0	472	3	4557	0	472	8	15085	1	944	0	740	2	282
	MORRIN	-112.77000		331	6.77	544	385	68452	23	3420	224	40725	2	430	16	2447	2	231	59	10347	5	955	41	7221	2	351
	MUNSON	-112.73000		193	6.19	236	151	65352	7	3173	102	43380	1	424	4	1611	1	366	9	4068	1	299	13	5296	2	45
T0J2E0 T0J2G0	NACMINE NEW BRIGDEN	-112.78000 -110.48333		152 457	21.34 0.10	54 143	57 112	100416 73455	3 2	3639 1857	31 88	61602 58109	0	0 460	3	3087 1767	1	1161 530	9 12	13539 7161	0	0 867	7	15218 678	1	318 65
T0J2G0 T0J2H0	NEWCASTLE MINE	-110.48333		457	2.32	0	112	13433	-	1637	- 00	36109	1	400	-	1/0/	1	330	12	/101	-	- 007	-	0/8	-	- 03
T0J2H0	OYEN	-112.70007		983	0.22	1694	1523	88479	71	3324	1097	66090	14	703	39	1799	12	496	150	8215	8	505	13	682	20	230
T0J2K0	PATRICIA	-111.68000		735	8.01	294	263	88411	14	4475	151	52147	4	1168	16	5081	1	395	48	16328	2	825	12	3627	1	334
T0J2L0	POLLOCKVILLE	-111.58334		773	12.12	20	15	55702	1	2266	12	46335	0	1816	1	2592	0	450	1	3632	0	0	0	0	0	0
T0J2M0	RAINIER	-112.10000		737	5.56	287	194	68155	8	2910	128	43838	1	414	10	3941	1	609	24	8587	1	245	9	3188	12	1701
T0J2N0	RALSTON	-111.17000		1997	4.05	589	502	81622	23	4453	320	49779	3	392	12	1884	3	586	64	9816	4	771	37	6274	3	723
T0J2P0 T0J2R0	REDCLIFF ROCKYFORD	-110.78000 -113.15000		712 498	0.83 5.50	4390 1103	3540 576	79399 51139	183 25	4134 2294	2221 386	49665 34122	17 4	365 319	129 52	2882 4703	23 4	517 332	360 47	7913 4069	30 5	666 520	344 29	7819 2651	9 4	466 340
TUJZKU	VOCK I LOKD					536	576 404	70276	25 25	2294 3699	386 241	34122 45480	2	319	27	4703	4	517	62	4069 9248	5	520 877	29	3372	0	
T0J2S0	ROLLING HILLS	-111.77000	50.23300	910	11.80																					0

1		Po	ostal Co	de Informa	ition		Total	Respiri	tory Dis	ease	R	espiritor	Infectio	n		Pneu	monia			Ast	hma			Brone	chitis	
Postal	Postal Code	Latitude Lo		Area Flaring				Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of
Code T0J2V0	Name ROSEDALE STATION	-112.63333 51		km2 1000m3/ 70 5.1				nys. Claims 65390	Visits/yr 23	Hosp. visits 4203	Claims/yr 223	Phys. Claims 42983	Visits/yr	Hosp. visits 634	Claims/yr 20	Phys. Claims 3597	s Visits/yr	Hosp. visits	Claims/yr 34	Phys. Claims 6620	Visits/yr	Hosp. visits 856	Claims/yr 29	Phys. Claims 5232	Visits/yr	Hosp. visits 302
	ROSEMARY	-112.08000 50		588 4.8				72583	25	2961	384	48158	3	291	22	2768	2	250	74	9275	7	848	16	2078	0	0
	ROWLEY	-112.78000 51		398 6.6				39369	0	0	13	29987	0	0	0	0	0	0	0	935	0	0	3	7512	0	0
	RUMSEY	-112.83000 51		454 3.3				52322	12	2587	125	38659	1	231	8	2227	2	511	13	3282	2	430	10	2070	1	103
	SCANDIA	-112.05000 50 -111.98333 51		400 18. 817 0.3			61	77150	9	2791	189	54218	2	463	11	3200	1	382	21	7085	1	476	10	3304	0	0
	SCAPA SCHULER	-111.98333 51 -110.08000 50		817 0.3 1130 0.3			- 66	74251	10	4682	89	40165	1	288	7	2899	1	548	16	6622	2	798	15	6515	9	247
	SEDALIA	-110.67000 51		881 0.4				78282	6	4793	64	56677	0	370	3	2047	1	400	8	6722	0	249	0	0.51.5	0	282
	SIBBALD	-110.15000 51	.38300	693 7.0		8		59703	6	4521	73	49112	2	1170	3	1644	2	1643	4	2535	0	523	0	0	40	86
	STANDARD	-112.98000 51		520 5.3				58511	17	1725	335	36304	1	67	39	3792	3	321	68	7584	4	414	23	2348	1	250
	STRATHMORE	-113.38000 51		529 2.4				27676	2	1842	8	12628	0	0	3	4912	1	1110	2	2504	0	0	1	1687	0	0
	SUNNYNOOK TILLEY	-111.58000 51 -111.65000 50		646 0.0 958 13.				60708 87303	4 28	3658 3249	27 520	32690 58374	7	369 758	3 32	2549 3611	1 5	579 602	12 88	11271 9860	0	0 417	2 28	2557 2922	0	0 164
	WALSH	-110.05000 49		459 0.0				67761	6	3492	63	42453	1	450	7	4874	2	1130	11	7050	1	473	8	5321	1	104
	WARDLOW	-111.58000 51		646 1.2		-		66159	2	1529	58	42912	0	0	5	3574	0	278	13	9287	0	194	3	2731	0	0
	WAYNE	-112.62000 51		153 17.			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	YOUNGSTOWN	-111.22000 51		1169 2.5			19	61468	21	3535	234	45371	1	209	10	1897	3	525	40	7439	4	823	5	978	2	163
	DRUMHELLER SUB N	-112.72620 51		43 0.0			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BROOKS SUB 1 HANNA SUB. 1	-111.90040 50 -111.92720 51		302 6.6 945 0.5			-	-	-	-		-	- :	- 1	1 :	-		-		-		-		-	-	-
	DRUMHELLER SUB P	-111.72720 51		43 0.0			-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	_	-	-	-
	SIKSIKA	-114.24360 50		144 0.0			341	185123	36	6759	1046	135100	8	988	66	15555	12	2945	70	9135	4	602	41	7295	2	214
T0K0A0		-111.48333 49		1434 0.2		, ·		72558	1	2759	24	48061	0	0	0	756	0	0	8	13555	1	1361	2	3267	1	149
	BARNWELL	-112.27000 49		188 10.				59987	21	2476	403	45233	6	676	10	1165	1	188	35	4295	4	518	21	2592	2	920
	BELLEVUE BLAIRMORE	-114.36667 49 -114.43333 49		152 0.0 134 0.0				66389 67104	43 107	2450 2578	536 1381	47204 44357	3 14	289 436	36 78	1731 1718	7 12	378 236	46 188	4132 5738	3 14	244 457	41 144	3519 4259	1	290 137
	BOW ISLAND	-114.43333 49		134 U.C 807 0.3				99274	122	2578 3841	1939	70383	22	738	138	4530	25	779	166	6063	14	376	177	6264	1	66
	BROCKET	-113.73333 49		753 0.0				131977	91	7957	1371	95984	22	1573	70	6335	27	2242	68	4397	11	877	118	10110	1	358
T0K0J0	BURDETT	-111.52000 49	0.83300	398 9.6	3 54	5 4	80	86108	18	2926	338	59205	5	659	17	2809	4	696	32	5673	2	319	33	6768	1	113
	CARDSTON	-113.30000 49		356 0.0				143078	293	3311	8041	99857	47	532	292	3359	50	542	671	7588	61	668	1281	15772	0	138
	COALDALE	-112.62000 49		403 0.3				86207	16	2352	248	49497	1	232	5	708	0	83	65	12381	1	244	24	4518	0	22
	COLEMAN COUTTS	-114.50000 49 -111.97000 49		752 0.2 355 8.4				59847 77908	88 31	2952 5364	789 300	38958 51138	11 7	490 1195	47 22	1819 3682	10 7	318 1239	120 34	5625 5806	6	249 435	59 24	2765 4125	0	110 47
	COWLEY	-111.97000 49		456 0.0				53548	23	3929	165	34734	3	696	4	707	1	165	17	3217	2	307	13	2609	3	965
	CRANFORD	-112.35000 49		330 14.		-		49197	5	1544	89	29862	3	640	5	1936	1	271	24	7624	1	174	1	467	0	0
T0K0S0	DEL BONITA	-112.80000 49	0.16700	1061 0.2	9 26	50 1	76	67674	8	3130	97	38180	1	350	12	4574	2	853	31	11380	1	239	11	3986	0	0
	DIAMOND CITY	-112.83000 49		82 0.0				69920	5	1191	196	45091	1	169	13	3472	1	402	35	8498	0	56	9	2634	10	358
	ENCHANT	-112.42000 50		714 19.				58749	16	2829	275	39195	3	417	16	2996	3	595	33	4596	2	315	14	2298	1	338
	ETZIKOM FOREMOST	-111.12000 49 -111.45000 49		1091 0.2 955 0.0				67388 82074	16 37	3550 2576	173 758	37893 56676	2	529 366	17 28	3697 2025	2 5	472 364	39 107	7950 7757	4	255 315	15 52	3695 3946	18	972 257
	GRASSY LAKE	-111.70000 49		452 42.		-		55531	22	2969	286	36430	4	490	11	1264	3	358	33	4137	3	269	31	5424	0	127
	HARDIEVILLE	-112.85000 49		46 0.0			-	-			-	-	-	-	-	-	-	-	-	-	-		-	-	-	
T0K1B0		-112.02000 50		501 53.				60355	8	2117	139	40757	1	432	3	878	0	80	23	6472	2	500	13	3667	0	0
	HILLCREST MINES	-114.38333 49		657 0.0				51924	21	3055	165	36413	2	585	8	1449	2	328	20	3463	3	406	6	1257	0	0
	HILL SPRING IRON SPRINGS	-113.63333 49 -112.68000 49		299 0.0 404 1.1				84488 82372	18 8	2820 1849	367 258	53837 55568	2	302 177	16 8	2533 2061	3	610 274	28	4160 5009	5 1	782 194	56 5	9533 1010	11 4	287 107
	LUNDBRECK	-112.08000 49		673 0.0				54890	21	3797	168	34918	1 4	768	12	2233	2	467	17	3727	4	612	14	2739	3	283
	MAGRATH	-112.85000 49		386 0.0		-		87453	92	2756	1631	53231	17	520	140	4234	20	597	359	10626	13	381	60	1917	0	0
T0K1K0		-111.25000 49	0.66666	677 0.1			25	119213	1	3506	16	90326	0	0	1	8893	0	0	4	4854	0	0	1	7245	0	0
	MANYBERRIES	-110.68000 49		1446 7.6				59348	6	3098	75	34519	0	164	7	4007	2	1251	14	6622	1	572	20	8678	0	0
	MILK RIVER	-112.08000 49		931 1.9				93409	93 8	4442 1934	974	63547	23	1369	55	2650	15	673	111	6478	9	486	66	3914	0	0
	MOUNTAIN VIEW NEW DAYTON	-113.60000 49 -112.38000 49		531 0.0 427 0.0				72178 55670	8 10	1934 2495	211 148	52450 36806	2	360 463	8	1438 2118	3	593 425	12 21	2870 5260	2 2	356 502	37 10	9495 2647	2	269 771
	ONEFOUR	-112.38000 49		2167 2.6				33765	0	1015	7	21791	0	0	1	2361	0	0	1	2196	0	0	10	2342	2	186
T0K1S0		-110.78000 49		897 0.0				68695	4	2430	75	47722	1	731	2	1438	1	325	11	6600	0	184	10	6605	2	716
	OWENDALE	-113.08334 49		407 0.0			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PICTURE BUTTE	-112.78000 49		148 0.2				86356	76	2149	1927	58666	7	184	91	2653	12	329	260	7519	15	451	52	1558	1	126
	PINCHER CREEK	-113.95000 49		415 0.0				66029	268	3506	2828	44862	35	542	136	1908	40	500	287	4397	36	491	230	3469	24	2502
T0K1X0 T0K1Y0	PURPLE SPRINGS AFTNA	-111.70000 49 -113.25000 49		461 1.0 328 0.1				49835 71471	9	3447 1715	90 63	34375 48502	3	1038 394	4	1985 3600	1	390 661	12	5073 1468	2	547 0	4 8	2365 6110	3	297
	SEVEN PERSONS	-113.23000 49		789 0.1				76633	16	2806	329	52850	4	622	13	2423	2	422	45	7072	2	278	37	6300	0	0
	SHAUGHNESSY	-112.85000 49		122 0.1				85968	15	2900	280	57260	1	267	10	2231	2	429	67	12572	5	924	14	2752	0	0
T0K2B0	SKIFF	-111.78000 49		1176 0.4				47995	5	2406	68	29080	1	299	6	3190	1	357	9	4135	0	100	3	1200	0	0
	SPRING COULEE	-113.05000 49		481 0.1		-		120839	9	4652	163	85738	2	978	13	7955	4	2158	18	9029	1	537	8	4743	2	210
	STIRLING TABER	-112.52000 49		244 0.0 356 75.				74796	40	3044 3118	726 3980	54540	6	417 692	35	2605	10 34	725	74	5592	10	801	28 379	2155	18	217
	TABER TURIN	-112.15000 49 -112.53000 49		356 75. 499 37.				75985 48963	273 9	3118 1459	3980 181	51479 32245	59 2	692 347	153	1841 1194	34 1	387 94	670 31	8587 5194	47	576 212	379 11	4279 2195	0	0 281
	TWIN BUTTE	-112.33000 49		791 0.1				57956	11	5202	44	40298	0	99	2	1607	2	1203	3	970	0	99	4	2014	0	99
	VAUXHALL	-112.10000 50		425 27.				66373	73	2738	1053	43019	15	568	39	1499	5	190	182	7000	15	586	115	4636	0	0
	WARNER	-112.22000 49		796 0.0				58951	45	3227	498	38078	10	729	28	2091	9	614	62	4599	5	314	42	3194	1	248
	WATERTON PARK	-113.92000 49		560 0.0				53677	1	1135	60	34907	0	299	3	1422	0	171	9	5756	0	0	10	5388	6	188
T0K2N0								81491	9	3031	169	54146	1	383	13	5013	2.	794	20	5951	1	254	3	985	4	
	WELLING	-112.78000 49		266 0.2									Ċ				_									130
T0K2P0		-112.78000 49 -112.33000 49 -113.52000 49	0.53300	266 0.2 560 1.9 410 0.0	6 26	57 1	43	53156	4 21	1197	100 590	37536 93026	0	0 747	3 23	804 3323	0	95 465	12 41	4777 5993	1	182 528	4 101	1479 15045	0 12	0

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Postal Code	Postal Code Name	Latitude Longitude	Area km2	Flaring Vol. 1000m3/km2/yr	Population		Rate of Phys. Claims	Hospital Visits/vr		Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/vr		Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/vr	Rate of	Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/vr		Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/vr	
TOK2S0	RAYMOND	-112.65000 49.46700		0.03	4313	4111	90388	174	3583	3207	70060	36	772	139	3036	26	545	269	5947	30	652	82	1700	0	0
T0K2T0	TABER SUB 1	-112.14690 49.77790	381	5.47	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PINCHER CREEK SUB	-113.94480 49.49400		0.00	0			-				-		-				-	-	-				-	
	ALDERSYDE	-113.88000 50.66700		3.51	288	178	62792	8	2732	111	39994	0	117	15	4674	2	734	21	7870	0 4	164	9	3075	3	339
T0L0B0 T0L0C0	ARROWWOOD BANFF	-113.15000 50.73300 -115.57000 51.16700		7.67 0.00	474 7822	377 3795	78437 56965	22 100	4107 1727	241 2708	51404 40736	3 12	538 243	27 124	5285 2087	3 17	651 301	46 372	9443 5632	4 19	852 326	14 62	2419 1019	0 2	0 144
TOLOE0	BANFF	-115.57000 51.16700		0.00	0	3193	30903	-	- 1/2/	2700		- 12	243	124	2007	-	501	- 312	-	-	520	- 02	1019	-	-
T0L0G0	BARONS	-113.08000 50.00000		6.55	680	464	64441	32	3837	212	31099	2	290	34	4207	7	859	42	5611	3	368	17	2253	0	193
T0L0H0	BLACK DIAMOND	-114.23000 50.68300	149	0.70	2090	1573	73941	85	3297	1038	49399	9	382	105	4155	16	612	168	8265	9	368	15	600	6	267
TOLOJ0	BLACKIE	-113.62000 50.60000		3.61	945	762	79868	24	2477	520	53741	3	274	44	5363	4	370	54	5548	4	419	27	2804	0	0
TOLOKO	BRAGG CREEK	-114.58000 50.95000		0.03	2170	1480 109	69610	28 5	1750	1023 77	48010	3	128	49 6	2453	4 2	300 1086	153	7017	7	305 288	20	983	10 0	124
TOLOLO TOLOMO	BRANT CANMORE	-113.47000 50.45000 -115.35000 51.10000		0.00	179 7743	5299	61350 69552	176	2788 2458	3125	42613 40609	24	163 320	282	3026 3797	37	527	589	2383 7867	24	288 327	317	415 4171	0	0
TOLONO	CARMANGAY	-113.12000 50.13300		9.97	564	413	70372	30	4342	230	40901	3	500	23	3479	6	840	66	10873	6	886	19	3024	4	1028
T0L0P0	CAYLEY	-113.85000 50.45000	448	0.06	879	545	60085	18	2159	358	38260	2	179	23	2607	4	508	59	6485	4	458	23	2610	0	99
T0L0R0	CHAMPION	-113.15000 50.23300		12.82	870	499	54239	31	2604	248	28452	2	195	65	6789	8	621	56	5936	3	315	35	3378	2	353
	BANFF	-115.57000 51.16700		0.00	0	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
TOLOTO TOLOT1	CLARESHOLM OKOTOKS	-113.60000 50.01700 -113.96540 50.72420		1.74 0.00	4852 0	3482	70880	175	2682	1982	42349	27	544	175	3357	22	320	420	8721	23	449	89	1704	0	0
TOLOT2	OKOTOKS	-113.96540 50.72420		0.00	0					-															
TOLOT3	OKOTOKS	-113.96540 50.72420		0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0L0T4	OKOTOKS	-113.96540 50.72420	53	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0L0T5	OKOTOKS	-113.96540 50.72420	53	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOLOU0	COAL HUDOW	112.02000 10.77		0.00	0	1000	-	-	- 20.50	-	-		-	-	4501	-	-	-	-	-	-	- 02	-	-	-
	COALHURST COCHRANE	-112.92000 49.75000 -114.93240 51.27700		0.00 0.02	2092 5109	1646 3186	79657 63308	49 58	3069 1183	1129 2244	51180 45183	5 4	206 83	66 102	4504 2042	7	605 172	148 310	7740 5984	12 9	650 188	83 59	4272 1187	0	0
	COCHRANE	-114.47200 51.19560		0.02	1225	1048	83343	23	1469	724	59116	1	68	58	3265	3	172	93	7935	4	285	34	1722	5	68
	COCHRANE	-114.47200 51.19560		2.47	494	330	69368	4	1051	243	48851	0	305	6	1114	1	151	37	9389	0	59	1	199	0	0
T0L0W3	COCHRANE	-114.48310 51.19200	132	0.26	2232	1588	67144	23	1342	1228	50938	2	85	38	2136	3	220	142	5923	5	283	13	610	9	140
	COCHRANE	-114.48880 51.19560		0.14	1842	1388	70635	25	1369	1035	51937	2	99	36	1885	4	226	137	7236	4	187	13	650	1	156
	DE WINTON	-114.02000 50.81700		0.00	2156	1489	71875	36	1759	986	48405	1	61	55	2538	8	383	157	7505	5	221	65	2946	0	74
	ENSIGN FORT MACLEOD	-113.43000 50.48300 -113.40000 49.71700	275	2.66 0.11	0 5654	4722	81182	241	3644	3135	55022	32	499	205	3170	42	610	338	5520	28	464	343	5720	0	-
	GRANUM	-113.52000 49.86700	766	0.11	825	517	60941	34	3107	289	35555	4	395	19	2171	3	305	85	9472	6	557	20	2185	6	360
	HIGH RIVER	-113.87000 50.58300		0.06	490	398	78500	30	2898	241	52854	4	643	33	4612	7	557	28	5903	5	431	32	4094	1	108
T0L1C0	KIPP	-112.95000 49.75000	198	0.10	9	1	5689	0	0	1	5689	0	0	0	0	0	0	0	0	0	0	0	0	58	115
T0L1E0		-116.20000 51.41700		0.00	1502	612	53395	15	1449	371	36237	3	565	7	600	1	48	80	5573	5	223	41	3135	1	211
T0L1G0	LOMOND	-112.63000 50.35000		8.04	671	326	47893	14	1886	224	33117	1	145	9	1238	3	389	26	3836	3	504	20	2865	11	256
TOL1H0 TOL1J0	LONGVIEW MIDNAPORE	-114.23000 50.53300 -114.08334 50.91667	1490 70	0.46	969 10	2454 2	256735 16144	75 0	7347 0	1939 2	203020 16144	20 0	1756 0	107 0	10546 0	24	2444	157	15504 0	8	748 0	44 0	5016 0	0 27	0 218
TOL1KO	MILLARVILLE	-114.33000 50.76700		1.20	994	630	65855	15	1607	416	43541	1	112	31	3488	3	330	60	6369	1	99	11	1113	4	156
T0L1L0	MILO	-112.88000 50.56700		14.78	561	331	59855	15	2463	177	32604	2	446	23	3838	5	716	49	8498	3	511	20	3365	0	0
T0L1M0	MONARCH	-113.10000 49.80000		0.06	608	409	67100	11	1747	245	39853	0	0	11	1775	1	224	55	9007	2	277	18	2847	4	177
T0L1N0	MORLEY	-114.86667 51.15000		0.00	2649	7823	311686	218	8948	6052	240918	39	1310	505	22399	83	3439	445	14290	24	1055	194	10450	1	123
TOL1PO TOL1RO	MOSSLEIGH NANTON	-113.32000 50.71700 -113.77000 50.35000		4.64 0.10	319 2975	124 2132	37840 72652	6 97	1817 2448	72 1146	21629 41297	0 11	87 393	6 193	2035 5829	1	220 380	11 233	3405 7857	2 17	461 481	5 84	1524 2189	0	0
TOLIKO TOLISO	NANTON NOBLEFORD	-113.77000 50.35000		0.10	1036	668	63469	18	1537	454	42322	6	393 473	31	3014	16 3	247	39	3929	1/	481 67	32	3109	6	329
TOL1TO		-114.53660 50.08270		0.01	4052	2811	70261	76	1917	1847	46201	6	147	128	3324	11	274	283	7036	13	329	50	1231	0	0
T0L1T1	OKOTOKS	-113.97110 50.73430		0.00	1878	1622	80556	26	1944	1189	57540	2	103	46	3312	3	203	157	7656	7	423	15	1007	0	0
T0L1T2	OKOTOKS	-113.97630 50.72680		0.00	2019	1960	94123	55	2888	1317	62015	4	180	102	5143	11	597	190	8771	7	348	34	1825	13	248
TOL1T3	OKOTOKS	-113.97630 50.72680		0.00	1121	1012	87988	31	2830	721	62158	3	237	44	3755	4	323	78	6830	5	433	36	3341	0	0
T0L1T4 T0L1T5	OKOTOKS OKOTOKS	-113.96540 50.72420 -113.96540 50.72420	53 53	0.00	865 1199	730 977	76024 74433	13 14	2209 1994	549 726	52551 53772	1	102	23 37	5761 4035	1 2	497 239	67 96	6768 7016	4	818 247	7 8	685 657	0	75 112
TOL115		-113.96540 50.72420 -113.65000 50.25000		0.00	60	41	73067	14	1286	27	48873	0	0	3/	4403	0	239	6	9246	1	800	0	590	1	366
TOL1WO		-114.33334 50.88333		0.08	1249	837	71298	20	1337	527	47269	0	14	18	1624	1	75	75	6289	1	123	31	2084	0	62
T0L1X0	SEEBE	-115.05000 51.10000		0.00	138	172	113475	2	2310	135	86827	1	394	6	5301	0	0	10	7195	0	197	9	6381	4	117
T0L1Y0	STAND OFF	-113.30000 49.45000		2.04	2162	4244	198539	109	6093	3106	142893	24	1197	125	7341	26	1567	244	11639	20	833	315	17154	0	0
TOL1Z0	STAVELY	-113.63000 50.15000		3.08	860	493	57861	31	2771	294	36371	5	599	17	1918	1	92	53	5773	3	335	11	1059	3	146
T0L2A0 T0L2B0	TURNER VALLEY VULCAN	-114.27000 50.66700 -113.27000 50.40000		0.46	2075 2745	1610 1735	76773 61162	84 111	3380 2756	900 932	44854 35626	4 10	209 327	141 151	5901 4923	14 27	565 642	254 244	12210 8684	18	823 454	37 115	1379 3130	4 12	201 393
		-113.27000 50.40000 -115.15000 51.06700		0.00	2745 445	400	91328	111	3834	242	57024	2	374	30	6289	5	965	33	7729	15 3	589	26	5442	3	131
T0L2E0		-116.88200 52.02260		0.03	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
T0L2G0	BANFF SUB P O NO 2	-115.91780 51.26880		0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0L2H0	KANANASKIS	-115.13000 51.08300	120	0.00	511	142	44543	2	427	94	29683	0	23	6	2035	0	52	9	3060	0	278	10	4214	1	96
T0L2J0	BANFF SUB 3	-115.91780 51.26880		0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOL2KO	HIGH RIVER SUB 1	-113.88000 50.58330		0.01	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0L2L0 T0L2N0	OLYMPIC VILLAGE C BANFF RPO #6	-115.36640 51.09580 -115.57280 51.17890		0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0L2N0 T0L2P0	BANFF RPO #6 BANFF	-115.57280 51.17890 -115.57000 51.16700		0.00	0		-	-			-	-	-		-	-	-			- 1	-		-	-	-
TOL2PO TOMOAO	ACME	-113.50000 51.16700		0.10	1200	823	66461	29	2025	510	42303	3	225	32	2431	5	357	120	9534	6	397	29	2091	0	0
ТОМОВО	AIRDRIE	-114.02000 51.26700		9.73	97	20	20464	0	0	18	18479	0	0	0	0	0	0	1	855	0	0	0	0	11	54
гомосо	ALHAMBRA	-114.67000 52.28300		15.72	388	290	73596	10	2185	165	43193	3	776	14	2784	2	351	25	5848	0	85	46	11253	1	19
	BALZAC	-114.01667 51.21667		1.75	1256	971	78427	28	2091	673	55016	3	218	42	3197	5	391	97	7945	7	565	27	2060	0	61
	BEISEKER	-113.53000 51.38300	352	0.09	1411	1083	74442	32	2105	774	53263	4	284	38	2613	5	316	126	8308	6	424	26	1789	4	75

			Postal C	ode I	nformation		Tot	al Respir	itory Dis	ease	R	espiritory	Infectio	n		Pneur	nonia			Astl	hma			Brono	chitis	
Postal	Postal Code	Latitude	Longitude	Area	Flaring Vol.	Population	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of
Code	Name BENALTO	-114.28000	52 30000	274	1000m3/km2/yr 28.35	367	Claims/yr 266	Phys. Claims 72332	Visits/yr	Hosp. visits 2195	Claims/yr 171	Phys. Claims 46496	Visits/yr	Hosp. visits	Claims/yr 12	Phys. Claims 3102	Visits/yr	Hosp. visits 339	Claims/yr 26	Phys. Claims 6971	Visits/yr	Hosp. visits 372	Claims/yr 1	Phys. Claims 9010	Visits/yr	Hosp. vis
	BLACKFALDS	-113.78000		206	5.84	3089	2362	74738	66	2381	1592	49068	10	328	114	3922	12	423	250	8008	12	406	98	3365	1	308
	BOWDEN	-114.03000		366	3.39	2344	2010	86212	86	2934	1360	60673	11	501	135	5169	14	427	182	7649	11	419	56	2105	0	0
T0M0L0	CARBON	-113.15000	51.48300	291	4.95	898	585	63374	32	2961	368	41282	6	639	27	2657	6	516	58	6684	5	503	42	4435	1	268
	CAROLINE	-114.73000		1358	15.30	1932	1298	65686	53	2441	908	46674	8	388	88	4188	12	535	108	5383	9	435	42	2014	0	0
	CARSTAIRS CONDOR	-114.10000		413 251	3.25	3535	2564	71637 68924	108	2673 1622	1726	49175 42260	18	506 210	123	3204 1355	21	494 105	235	6446 5737	18	461 272	64	1604	2 4	131 738
	CREMONA	-114.52000 -114.48000		494	34.06 8.64	517 1179	351 786	65913	31	2199	214 421	37199	1	112	55	3787	6	387	29 96	8454	4	333	61 48	11891 3526	4	119
	CROSSFIELD	-114.03000		416	1.70	3295	2968	88601	67	1865	2142	64075	5	148	119	3430	12	344	349	10396	11	331	34	981	5	96
	DELACOUR	-113.76667		104	0.00	185	132	73496	4	1737	101	56051	0	0	6	2799	0	166	7	4127	0	0	5	2594	0	82
	DELBURNE	-113.23000		369	10.50	1702	1170	67377	54	2619	825	48765	7	372	62	3202	10	456	97	5170	5	307	20	1170	0	0
	DIDSBURY	-114.13000		435	10.10	5731	4855	83196	192	2870	3190	56173	34	589	257	4024	41	610	506	8473	32	518	142	1971	0	0
	ECKVILLE	-114.37000		284	38.73	2987	2278	74640 98858	73 25	1807 2602	1235	43192	8	202	71	2039 4074	15	347 387	150 72	5129	7	237	444	13445	0	0 124
	ELNORA HUXLEY	-113.20000 -113.23000		318 259	1.40 0.45	730 468	719 379	98858 77974	25 17	3191	275	71429 56871	5	534 932	31	1577	3	622	31	9530 6133	3 1	289 153	8	1042	5	148
	INNISFAIL	-113.23000		123	1.55	2974	2941	97766	121	3062	1863	64930	17	483	164	4115	22	477	282	9553	17	486	141	4176	1	389
	IRRICANA	-113.60000		337	0.19	1171	972	81496	23	2038	728	60821	5	430	37	3317	2	203	94	7744	4	293	20	1758	2	163
T0M1C0	JAMES RIVER BRIDG	-114.63333	51.93333	673	13.25	118	40	35159	1	1189	25	22333	0	0	3	2547	1	1006	4	3709	0	0	4	2827	2	212
	KATHYRN	-113.70000		201	0.00	149	124	84897	5	2368	80	54073	0	0	3	2149	1	282	8	5308	0	225	3	2099	0	0
T0M1G0		-113.70000		201	0.00	153	86	57861	3	1871	59	39964	2	1619	5	2844	0	0	5	3466	0	0	2	1306	0	0
T0M1H0 T0M1J0	LESLIEVILLE	-114.60000 -113.48000		447 356	24.24 0.16	829 1369	618 803	72602 56146	16 30	1715 1915	363 500	43263 35299	1 5	58 302	20 42	2272 2693	5	564 303	54 101	6442 6949	3	363 380	119 49	13703 3432	1	110 187
	LOUSANA	-113.48000		316	12.85	425	803 411	93561	21	4096	304	35299 70737	5	302 971	11	2693 2541	2	303 429	35	7416	2	363	6	1202	0	0
	MADDEN	-114.22000		462	6.12	211	194	86441	3	1554	143	62835	0	180	7	3050	1	311	23	9391	0	235	2	692	3	187
гом1мо	MARKERVILLE	-114.17000	52.11700	299	1.76	425	290	69881	13	2616	199	50408	1	202	11	2195	2	241	23	4834	2	591	16	3168	0	0
	MYNARSKI PARK	-113.87860		117	0.08	374	178	38820	4	860	136	29001	1	100	4	848	0	0	22	5179	1	374	2	706	10	252
T0M1P0		-114.12000		340	17.16	2475	2052	81992	94	2706	1434	59855	10	365	91	3049	14	347	144	5993	11	396	75	2400	1	237
	PENHOLD	-113.87000		340 573	3.01	2426	1968	77396	57	2471	1395	53966	10	381	73	2914	9	389	231	9013	15	593	44	1942	0	0
	PINE LAKE ROCKY MOUNTAIN F	-113.48333		3159	9.34 3.33	270 9544	146 7622	55147 78038	4 299	1328 3213	112 4879	43045 49570	1	236 397	8 425	2639 4433	1 87	240 933	606	1751 6202	0 33	0 342	4 863	1080 8881	2	161
	ROCKY MOUNTAIN I			519	0.00	686	529	77468	35	3389	338	51063	39	271	28	3790	6	594	46	6711	2	372	70	9561	3	1117
	ROCKY MOUNTAIN I			519	20.79	704	592	82677	33	3259	380	53819	3	375	27	3282	6	503	61	8475	3	457	64	8648	2	270
	ROCKY MOUNTAIN F	-114.93100		449	15.12	881	910	97821	27	3252	594	62202	4	450	40	4619	6	823	73	8173	4	432	114	12622	1	244
T0M1T4	ROCKY MOUNTAIN F	-114.92000	52.38300	105	6.98	1963	1517	73283	39	2383	1017	48042	7	322	68	3548	8	523	126	6036	4	207	156	7755	1	89
	SPRUCE VIEW	-114.32000		438	23.94	352	294	83511	13	3543	183	53496	1	390	13	3815	1	301	24	6346	4	1001	11	3082	1	224
	STAUFFER	-114.58334		307	30.80	162	96	57999	4	2426	67	40945	1	590	2	1265	1	397	9	5332	0	231	7	3664	4	99
	SUNDRE SWALWELL	-114.65000 -113.32000		1922	7.02 3.49	5585 261	4004 188	70240 69749	175 11	2636 3557	2303	41810 40766	24	415 1114	270 13	4184 4708	31	450 426	347 30	6169 11082	24	375 356	329 10	5489 3224	0	0 200
	SYLVAN LAKE	-113.32000		289	5.49	261 5664	188 4558	79278	126	2245	3015	52019	10	163	176	4708 3180	23	426	565	9784	33	582	193	3468	16	144
	THREE HILLS	-113.27000		268	3.94	4043	2625	62812	120	2172	1574	39426	14	271	152	3088	23	354	306	6928	19	393	232	4893	10	120
	TORRINGTON	-113.60000		522	1.22	443	349	78122	16	3500	236	53907	1	361	14	2846	4	673	23	5308	1	348	8	1677	0	0
	TROCHU	-113.23000		330	8.47	1501	1642	106968	67	2905	1168	77256	13	500	40	2072	11	478	165	9411	7	398	17	974	1	93
	WATER VALLEY	-114.62000		982	0.29	620	357	57807	19	3402	218	35439	3	487	32	4266	1	156	34	5662	4	794	11	2052	0	0
	WIMBORNE	-113.60000		490	2.37	212	190	89327	8	2932	133	63529	1	273	5	2082	2	591	21	10010	1	719	3	1310	2	99
	NORDEGG AIRDRIE SUB 1	-116.08334		6472 210	0.14 2.92	116	60	49115	2	1863	43	34754	1	506	3	2649	0	273	2	1867	1	564	4	3567	1	335
		-113.99630 -114.91660		70	7.35	0		-																		
	INNISFAIL SUB 1	-113.94960		213	1.94	0			-	-			-	-	-	-			_	-	-	_	-		_	-
	OLDS SUB 1	-114.10870		242	0.18	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0M2N0	THREE HILLS SUB 1	-113.27190	51.70170	268	8.46	436	211	47582	8	1908	142	31609	2	447	13	3050	3	731	16	3405	1	302	8	2014	0	0
	EDMONTON	-113.48720		2	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EMBARRAS	-116.90000		1437	0.73	0	- 524	-	-	2702	- 210	25001	-	-	- 40	-	-	1076	-	-	-	-		-	-	-
	FORT CHIPEWYAN	-111.15000		26461 15631	0.00	1199	534	44217	44	3782	318	25801	8	593	48 34	4247	12	1076	47	3683	3	247	22	2154	0	30 0
	FORT MACKAY MILDRED LAKE	-111.61667 -111.60000		4893	0.00	313	923	267489	25	6558	619	194653	3	734	.54	12347	,	2546	32	9369	2	718	66	24181	0	U
T0P1G0		-110.91666		5754	0.02	451	843	189381	36	7388	599	131621	10	1765	32	7282	6	1242	37	7721	3	481	47	16075	6	132
	CONKLIN	-111.08000		8150	0.08	200	171	81156	8	5105	116	52528	3	930	7	4670	2	1961	7	3581	1	593	11	5819	0	0
T0P1J0	ANZAC	-111.05000		7575	0.02	292	334	119852	9	5264	229	78169	1	416	8	3637	1	858	38	17809	0	114	13	4182	3	199
T0V0Z0					0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0V5E5	A MEDICAL METERS		#0 00=·-		0.00	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MEDICINE HAT	-110.69190		63	0.59	28262	23767	86519	1442	3865	14230	55735	117	435	986	2934	176	467	2176	7930	184	596	2334	7909	0	61
	MEDICINE HAT MEDICINE HAT	-110.65240 -110.67920		119 598	9.58 2.31	18493 4217	16657 3880	88867 93787	616 131	3183 3433	11382 2641	60993 62594	63 16	324 400	482 93	2511 2386	72 15	372 380	1466 302	7736 7257	99 18	524 431	1114 324	5968 7919	2	712 330
TIGXXX		-112.15000		356	75.34	2212	1530	67354	68	2794	1043	46126	12	486	29	1228	8	347	163	7214	12	527	68	2921	0	330
	LETHBRIDGE	-112.82230		59	0.00	22220	19053	87340	596	2418	11947	56385	61	294	816	3307	100	382	2151	9889	128	576	1042	4596	0	131
TIJXXX	LETHBRIDGE	-112.85630	49.69430	141	0.00	15229	12183	82184	461	2385	7262	52949	44	304	604	2967	80	375	1439	10091	93	617	668	4105	0	0
	LETHBRIDGE	-112.83360		167	0.00	30304	24487	81741	616	1803	15735	53893	66	219	818	2438	88	246	3061	10261	125	401	1065	3362	5	895
T1LXXX					0.00	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	COALDALE	-112.62000		403	0.32	7308	6933	92666	168	2099	4243	57181	22	282	129	1663	20	247	1073	13937	26	341	398	5245	0	0
11PXXX	STRATHMORE	-113.38000		529	2.48	7606	5525	71772	191	2383	3595	46887	16	210	304	3908	27	334	609	7864	39	503	197	2524	0	0
	BROOKS	-111.88000		268	0.00	12605	11041 6997	86651 79382	512 281	4020 2666	7568 4630	59218 53745	80 33	625	539 267	4265	78	617	1193 638	9329	87 49	679	438 355	3497 3708	0 54	113 798
T1RXXX	HIGH DIVER	112 97000								2000		22/43	2.5	361	20/	2684	49	431	0.58	7229	49	531				
T1RXXX T1VXXX	HIGH RIVER CHESTERMERE	-113.87000 -113.81320		111 155	0.06 18.75	8784 1387	1091	81489	17	1432	709	52617	1	56	36	2788	3	235	100	7561	3	225	43	3302	1	164

n . 1			formation	ъ		l Respiri				espiritory			TOI		monia	D	DI	Astl		D	TM	Bronc		D .
Postal Code Code Name	Latitude Longitude	Area km2	Flaring Vol. 1000m3/km2/yr	Population		Rate of Phys. Claims	Hospital Vicite/vr	Rate of Hosp. visits	Physician Claims/vr	Rate of Phys. Claims	Hospital Vicite/vr		Physician Claims/vr	Rate of Phys. Claims	Hospital Visits/vr	Rate of	Physician Claims/vr	Rate of Phys. Claims	Hospital Vicite/vr		Physician Claims/vr	Rate of Phys. Claims	Hospital Visite/vr	Rate of
2AXXX CALGARY	-113.96180 51.03750	43	4.38	62261	66540	107368	1148	2115	43958	69998	111	178	1757	3068	137	264	6930	11184	270	444	2970	5072	0	0
T2BXXX CALGARY	-113.98500 51.03660	21	0.09	25595	26245	102072	537	2378	17221	65857	46	174	791	3318	62	279	2853	10994	110	435	1084	4542	5	69
T2CXXX CALGARY	-113.98670 50.99580	72	5.42	21054	19997	95404	370	2104	13502	63186	29	140	613	3136	45	273	2397	11566	86	432	552	2852	0	164
T2EXXX Calgary	-114.07000 50.95000	18	0.00	32962	28897	92020	890	2296	17991	59978	52	190	1106	3001	114	278	3422	11225	154	472	1386	3853	0	0
T2GXXX CALGARY	-114.06560 51.00860	11	0.00	11598	9668	87164	602	3661	5016	52391	19	234	656	4265	81	460	1086	10346	96	791	680	4729	2	88
T2HXXX CALGARY	-114.05820 51.03730	8	0.00	12054	9630	83571	235	1903	5888	52841	16	154	369	2959	33	269	1063	9365	51	426	444	3455	2	393
T2JXXX CALGARY	-114.07040 50.96660	14	0.00	55580	48275	88600	873	1714	31939	58607	69	131	1445	2758	99	207	5969	10895	188	350	1363	2526	12	213
T2KXXX CALGARY	-114.08050 51.07990 -114.09500 51.08270	15 10	0.12	39225 13891	33977 10296	88617 78012	744 244	1768	22657 6478	60240 52652	46 8	125 60	1190 476	2869	102 42	235	3599 1100	9469 8594	152 43	386 275	1119 275	2692 1621	0	0 74
T2LXXX CALGARY T2MXXX CALGARY	-114.09300 51.08270	12	0.00	22401	16642	77653	464	1315 1660	10193	49981	27	133	621	2822 2395	65	221 208	1949	9353	76	316	600	2499	3	508
T2NXXX CALGARY	-114.07990 51.05680	5	0.00	22959	15624	71775	484	1760	9132	44679	21	114	713	2751	73	254	1912	8869	77	331	571	2202	0	0
T2OXXX	111.07770 31.03000	-	0.00	0	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
T2PXXX CALGARY	-114.06410 51.05230	4	0.00	17166	12252	76758	288	1686	7797	50386	20	141	480	2823	42	243	1281	8111	49	291	580	3391	4	375
T2RXXX CALGARY	-114.08410 51.04390	3	0.00	10877	8022	82016	278	2267	4604	51214	14	208	384	3134	33	226	871	8558	50	469	452	4197	0	0
T2SXXX CALGARY	-114.06380 51.03750	2	0.00	13317	9782	77713	290	1756	5700	48660	16	155	436	2796	39	204	1234	9890	52	356	387	2432	1	510
T2TXXX CALGARY	-114.07960 51.03740	4	0.00	24990	19187	80493	507	1991	11851	50886	35	163	893	3398	62	233	2363	10023	103	414	692	2751	1	226
T2VXXX CALGARY	-114.07170 51.00770	15	0.00	33208	27836	87203	789	1764	16631	55785	42	144	1165	2826	117	226	3165	10167	128	348	1271	3203	28	1185
T2WXXX CALGARY	-114.07960 50.96260	47	0.00	49736	45554	92903	738	1760	30289	60899	64	138	1201	2738	92	237	5439	11059	191	406	1132	2487	1	128
T2XXXX CALGARY	-114.06540 50.91870	12	0.00	19229	17746	89516	247	1578 1623	12094	58795 65792	24	114	536	3090 2425	23	166	1986	10020	56 47	325 396	644	3618	1	157
T2YXXX CALGARY T2ZXXX CALGARY	-114.07140 50.91030 -113.98800 50.90230	41 160	0.00	14617 12268	14260 11598	94297 91412	185 134	1623 1661	10255 8161	65792 62721	18 16	113 139	318 269	2425 2561	18 12	167 218	1427 1236	9993 9892	47 40	396 346	419 230	2992 2164	0	0 82
T3AXXX CALGARY	-113.98800 50.90230 -114.14190 51.08200	150	0.21	12268 37486	30871	91412 84334	470	1250	20178	56028	23	65	269 1014	2561	12 66	218 176	1236 3604	9892 9798	40 98	346 268	770	2164 1957	1	82 185
T3BXXX CALGARY	-114.14380 51.06170	6	0.00	34286	28529	84969	748	2093	17965	54518	44	135	1014	2989	102	276	3425	10343	165	482	741	2068	0	0
T3CXXX CALGARY	-114.13670 51.05100	8	0.00	23389	20450	91489	594	2240	12771	59736	29	142	753	2861	76	262	2343	10636	120	517	898	3656	0	0
T3DXXX	51.05100	-	0.00	0	-	-				-	-		-		-		-	-	-	-	-	-	-	-
T3EXXX CALGARY	-114.11780 51.03790	26	0.00	39589	33176	85448	908	1910	20914	56180	59	154	1244	2745	114	222	3783	9851	169	393	1190	2642	4	530
T3GXXX CALGARY	-114.17840 51.11420	40	0.00	23473	21444	90362	241	1228	14795	60969	23	103	608	2987	27	156	2504	10361	49	220	401	1937	0	0
T3HXXX CALGARY	-114.18070 51.05610	131	0.00	18189	15611	86206	208	1285	10868	59589	17	94	383	2296	24	165	1731	9570	40	233	366	2064	0	0
T3JXXX CALGARY	-113.94100 51.10000	60	0.04	26284	30022	110160	349	1636	21444	75983	46	161	590	2565	38	188	3322	12499	113	450	681	2884	0	0
T3KXXX CALGARY	-114.07690 51.12650	67	0.65	30508	30839	97752	356	1414	21969	68259	37	113	633	2328	42	206	3341	10636	87	295	666	2416	8	317
T3LXXX CALGARY	-114.20820 51.11580	205	3.85	6690	5725	83632	64	1254	4107	58606	8	105	155	2936	7	212	618	8984	14	228	83	1368	0	62
T3MXXX T3NXXX			0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T3PXXX			0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T3RXXX ??			0.00	5		-							-			-							-	
T3SXXX ??			0.00	1																				
T3VXXX			0.00	0					_		-									-			-	
гзжххх			0.00	0	-	_		_	_		_	_	-	-	_	_	_			-	_	-	-	
T3ZXXX REDWOOD MEADOW	-114.52000 50.98300	291	0.03	514	374	69470	4	755	276	51914	1	104	3	477	0	0	39	6742	1	104	6	1142	1	63
T4AXXX AIRDRIE	-114.02000 51.26700	131	9.73	5948	6267	100816	94	2249	4595	72057	8	122	172	2999	14	390	796	12696	24	411	90	1655	3	149
T4BXXX AIRDRIE	-114.02000 51.26700	131	9.73	11161	10995	96627	176	1836	8006	68607	18	142	384	3878	22	251	1293	11217	36	334	149	1430	1	28
T4EXXX RED DEER	-113.77730 52.24180	256	36.61	182	113	65119	2	1506	80	47689	1	397	2	1177	0	0	11	6148	0	198	2	1617	1	48
T4GXXX INNISFAIL	-113.97000 52.01700	123	1.55	6830	6442	93796	225	2914	4384	64717	37	535	342	4723	41	518	695	10020	36	498	123	1758	5	198
T4HXXX OLDS	-114.12000 51.80000	340	17.16	6405	5717	88854	217	2939	4105	64894	29	458	276	3908	38	486	445	6972	29	439	153	2073	1	148
T4JXXX PONOKA		231	4.20	8218	8115	95581	313	3280	6037	71896	35	404	235	2493	74	762	1007	11691	38	439	203	2216	0	0
T4LXXX LACOMBE F4MXXX	-113.72000 52.46700	106	3.60 0.00	2276	1580	69291	68	2178	967	44289	11	414	72	2498	15	423	143	6305	8	303	209	8347	2	78
	112 70490 52 24760	76		0	20141	76679	966	2122	10070	- ==220	100	272	1269	2110	150	271	2644	7107	160	443	798	1996	7	79
T4NXXX RED DEER T4PXXX RED DEER	-113.79480 52.24760 -113.84840 52.30480	151	1.68 9.79	37169 18860	28141 15611	76678 80615	866 300	2122 1858	19978 11613	55320 58930	100 48	273 256	1268 462	3119 2699	159 51	371 339	1529	7187 7954	168 63	348	330	1996	13	127
T4RXXX RED DEER	-113.77730 52.24180	256	36.61	12087	9657	79178	191	1695	7137	58009	20	170	303	2668	29	261	811	6673	36	300	178	1547	4	392
T4SXXX RED DEER	-113.77730 52.24180	256	36.61	1696	1157	68767	38	2133	753	44933	3	181	58	3422	8	433	143	8624	9	498	53	3145	0	0
T4UXXX	2		0.00	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T4VXXX CAMROSE	-112.83000 53.01700	221	0.02	16523	12390	75343	604	2813	7496	47909	64	395	601	3106	93	398	1024	6178	96	550	1152	6274	0	170
T4XXXX BEAUMONT	-113.42000 53.35000	103	0.33	5816	6088	97880	61	1623	4377	66584	7	107	208	4072	7	197	827	13292	20	464	75	2281	0	0
T4YXXX			0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5AXXX EDMONTON	-113.42270 53.58780	15	0.00	32712	34593	105782	586	1961	24927	75377	64	197	1105	3617	98	338	2997	9153	138	426	1174	3846	2	226
T5BXXX EDMONTON	-113.44770 53.56010	9	0.00	19580	19227	100269	500	2236	12912	69123	39	213	713	3321	114	482	1833	9454	95	467	915	4327	2	68
T5CXXX EDMONTON	-113.44160 53.58440	6	0.00	18520	18976	106029	367	1822	13383	76606	35	206	631	3236	62	306	1681	9117	70	373	755	3726	7	1744
T5EXXX EDMONTON	-113.47880 53.58460 -113.48830 53.55940	7	0.00	32711 13931	31216 12339	96630 91806	702	1887 2087	20706	65787 62787	63 28	201 234	1121	3137 3334	135	349	2699	8182 7956	150 61	440 439	1680	4758 3849	0	0 131
T5GXXX EDMONTON T5HXXX EDMONTON	-113.48830 53.55940 -113.46850 53.54050	6	0.00	27956	26760	101222	331 718	2526	8147 18214	70604	28 62	234	516 1013	3633	60 136	372 485	1069 2035	7956 7583	61 141	439 500	570 1086	3849 3829	0	131 54
T5JXXX EDMONTON	-113.46850 53.54050	3	0.00	10895	8406	80507	293	2232	5281	53697	20	216	530	4110	60	485 448	794	7725	43	372	389	3829	14	248
T5KXXX EDMONTON	-113.49080 53.53100	6	0.00	16732	12759	86753	464	1971	7460	59219	20	233	656	2986	79	318	1360	8078	79	390	631	3040	12	422
T5LXXX EDMONTON	-113.53010 53.59760	10	0.00	17434	15638	91108	416	2074	10100	60895	37	225	654	3364	75	363	1511	8839	97	540	863	4489	2	167
T5MXXX EDMONTON	-113.53010 53.557700	12	0.00	15315	13085	88427	433	2107	8271	59771	32	245	632	3429	82	378	1271	8562	72	443	674	3663	2	384
T5NXXX EDMONTON	-113.56110 53.53190	6	0.04	14076	10785	80490	308	1573	6815	54489	16	121	457	2855	54	282	1052	7831	45	312	497	2750	16	671
T5PXXX EDMONTON	-113.58090 53.53140	7	2.83	23206	21687	96065	474	1879	14922	67704	47	228	762	3142	86	341	2034	8868	98	422	885	3432	0	0
T5RXXX EDMONTON	-113.54400 53.51580	11	0.00	25932	21577	86473	482	1436	14188	59808	40	163	855	2786	85	251	2262	8769	86	314	944	2874	0	0
T5SXXX EDMONTON	-113.61570 53.54120	19	27.60	2470	2359	99863	59	2450	1625	69953	5	236	90	3720	10	437	216	9046	13	522	99	3899	3	265
T5TXXX EDMONTON	-113.62310 53.51190	12	8.57	46256	49007	105084	575	1402	35527	75213	68	147	1176	2690	89	223	4584	9964	155	342	978	2354	2	211
T5VXXX EDMONTON	-113.58340 53.58070	31	1.71	146	73	67278	1	928	58	54194	0	0	0	0	0	386	3	3598	0	156	1	837	0	29
T5WXXX EDMONTON	-113.38250 53.60280	52	0.00	24012	23234	97807	607	2207	16067	69254	55	234	914	3465	109	394	2104	8785	128	512	1013	3886	2	216
T5XXXX EDMONTON	-113.51700 53.60690 -113.38250 53.60280	13	0.07	34030	33658	97403	447	1500	23442	67037	46	131	827	2644	64	232	2817	8187	120	364	1209	3673	7	252
T5YXXX EDMONTON		52	0.00	16237	18263	109103	225	1770	13377	77676	27	160	540	3752	35	280	1685	10016	67	461	441	3145	17	437

		Postal Code Information				Total Respiritory Disease				Respiritory Infection				Pneumonia				Asthma				Bronchitis				
Postal	Postal Code	Latitude	Longitude			Population	,	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of	Physician	Rate of	Hospital	Rate of
Code	Name			km2	1000m3/km2/yr			Phys. Claims				Phys. Claims		Hosp. visits	Claims/yr	Phys. Claims				Phys. Claims		Hosp. visits				
	EDMONTON	-113.48100		14	0.00	9754	10254	100753	115	1386	7254	70056	15	130	223	2423	18	246	843	8219	32	329	398	4244	0	0
	EDMONTON		53.53930	25	0.00	15493	14472	99799	328	1581	9582	70472	23	181	704	3767	65	268	1280	8696	57	368	421	2279	1	415
	EDMONTON		53.50520	20	0.00	9989	8813	96371	189	1623	6003	69193	13	182	396	3804	36	280	796	8637	31	336	293	2528	4	223
	EDMONTON	-113.45300		9	0.00	19720	16649	89319	420	1558	10859	61656	31	192	703	3083	73	254	1639	8831	88	397	576	2480	0	200
	EDMONTON	-113.47500	55.47040	7	0.00	21818	15892	79694	396	1662	10377	54363	32	209	574	2575	70	292	1647	8426	75	371	705	3039	0	0
T6FXXX	EDMONTON	112 51220	53.50750	10	0.00	11708	7294	66188	206	1268	4590	44286	6	58	360	2547	46	255	704	6539	32	234	258	2039	7	211
	EDMONTON	-113.51320		8	0.00	30427	26011	89266	502	1319	17713	63234	40	155	949	2806	89	220	2397	8158	92	279	909	2672	0	0
	EDMONTON	-113.50040		18	0.00	43868	40806	95738	510	1214	28731	67718	51	129	1233	2895	75	182	4181	9865	128	303	1168	2680	2	224
	EDMONTON	-113.46330		7	0.00	33954	37164	107486	411	1343	27152	77666	52	143	968	2974	65	222	3286	9505	113	341	865	2636	7	608
	EDMONTON		53.46810	61	0.12	52132	60130	111052	602	1302	43723	79216	87	143	1610	3190	91	202	5430	10052	192	372	1322	2724	ó	0
	EDMONTON	-113.61850		46	15.95	8517	8360	97335	74	978	6029	69735	6	73	175	2137	11	156	753	8612	17	209	175	2165	1	14
	EDMONTON	-113.38250		52	0.00	94	58	64647	0	0	42	50352	0	0	1	578	0	0	5	4478	0	0	2.	1631	2	61
	MAPLE RIDGE	-113.30000		127	0.38	2053	2022	99903	38	2093	1471	72385	7	323	62	3173	7	389	189	9220	7	365	62	2976	0	56
	EDMONTON	-113.58500		26	23.51	10829	10482	95671	73	716	7774	70932	10	91	264	2586	10	100	846	7500	17	149	185	1654	4	73
	EDMONTON	-113.33100		58	0.00	57	53	86114	2	4301	24	42922	0	1389	0	337	0	0	13	18514	1	1747	1	1257	0	0
T6TXXX	EDMONTON	-113.38250	53.60280	52	0.00	2809	3096	105350	31	1200	2238	75741	4	151	69	2389	6	257	319	10754	11	337	68	2595	2	430
T6VXXX	EDMONTON	-113.56460	53.61900	20	0.20	1673	1523	90688	13	935	1101	65136	1	58	40	2628	2	152	76	4456	2	98	69	4241	4	101
T6WXXX	EDMONTON	-113.57630	53.42400	80	7.82	574	429	78585	8	1519	289	54034	0	72	17	3111	2	328	43	7784	1	178	11	1826	0	0
T6XXXX	EDMONTON	-113.49050	53.40020	57	0.01	433	324	78533	5	1059	227	55093	0	86	15	3746	1	174	27	6886	1	170	14	3313	0	0
T6YXXX					0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DRAYTON VALLEY		53.21700		1.85	3285	3084	92733	113	3537	2181	65000	19	570	99	3163	28	878	278	8494	15	458	127	3870	4	669
	EDSON		53.58300		5.94	11523	8387	71985	317	2964	4890	40987	48	417	291	2576	57	534	651	5531	46	404	1548	14033	1	191
	BARRHEAD		54.13300	133	0.18	8347	6849	81558	316	2968	3663	45841	28	333	538	5884	70	639	957	11160	39	407	529	5532	0	0
	WHITECOURT		54.13300	659	6.65	9750	7145	73460	206	3145	4447	42838	31	295	319	3879	35	572	1055	10499	40	466	223	3077	10	337
	HINTON				0.05	11215	9290	82151	228	2758	6623	57504	37	353	230	2314	33	437	1165	10357	43	438	189	2080	0	25
	SPRUCE GROVE		53.54230	103	17.37	21067	19753	94036	290	1747	14586	68033	29	136	677	3681	53	337	1839	8760	63	337	557	3048	8	521
	SPRUCE GROVE		53.55310	128	16.68	1866	1335	72800	24	1223	916	50010	2	98	63	3212	7	375	125	6956	6	301	59	3417	0	0
	STONY PLAIN		53.53300	200	0.00	7381	6350	85032	124	1664	4685	62704	17	213	226	3007	26	351	562	7513	14	189	153	2047	0	0
	SHERWOOD PARK SHERWOOD PARK	-113.28820	53.48670	39 64	0.00	38180 4173	37480 3592	99677 86961	451 43	1339 1124	26510 2433	70184 58911	50 3	139 78	1202 100	3403 2421	68	215 239	3991 421	10666 10002	106 10	299 252	917 81	2477 1896	0	0 67
	SHERWOOD PARK		53.47720	73	0.09	3765	3183	86299	34	1336	2309	61589	3	73	110	3574	8	408	281	7499	6	161	77	2267	0	0
	SHERWOOD PARK		53.47720	64	1.96	3538	2980	84030	34 46	1452	2146	59177	6	162	111	3337	7	215	302	8731	8	212	61	1803	0	0
	SHERWOOD PARK		53.47520	64	0.00	2520	2135	83552	51	2467	1561	60168	9	350	74	3250	10	459	181	7113	9	320	61	2420	0	0
	SHERWOOD PARK		53.54540	23	0.00	6096	6892	111234	64	1478	5076	78136	12	174	177	3380	10	230	641	11055	15	329	139	2641	2	578
		-113.23550		321	0.17	15542	14831	95425	339	2186	10428	67177	41	266	544	3514	60	388	1178	7548	62	396	594	3812	1	182
T8MXXX		113.21007	55.71007	321	0.00	3	- 11031	-	-	-	-	-		-	-		-	-		-	-	-	-	5012		
	ST ALBERT	-113.60730	53.63930	137	7.94	51187	47708	93748	724	1664	32159	62370	83	172	1617	3446	109	264	4373	8561	156	334	2809	5663	6	204
	MORINVILLE		53.80000	209	5.58	4214	4062	93039	83	2348	2624	57536	13	256	165	4425	18	574	384	8973	16	399	329	7925	2	180
	PEACE RIVER		56.21700	574	0.00	9439	5305	54663	342	3873	3327	33589	48	470	262	2914	91	1043	429	4424	52	543	770	8239	1	334
T8VXXX	GRANDE PRAIRIE	-118.79070	55.15830	95	14.23	31916	21261	66209	752	2549	16148	49795	168	519	632	2110	102	353	1632	5092	134	429	774	2561	0	0
T8WXXX	GRANDE PRAIRIE	-118.77670	55.13820	263	2.65	3269	2152	62301	44	1425	1687	47657	17	412	50	1569	6	189	149	4878	9	300	49	1612	0	0
T8XXXX	GRANDE PRAIRIE	-118.76220	55.17310	148	6.07	1227	753	59387	11	962	582	45013	1	96	22	1997	2	116	59	5139	3	282	18	1522	0	39
T9AXXX	WETASKIWIN	-113.37000	52.96700	343	0.07	15507	16474	102745	880	4862	9872	63798	149	919	973	5553	217	1190	2118	13253	137	825	839	4196	3	73
	VEGREVILLE		53.50000	331	0.14	7410	7800	105581	463	4568	4325	62039	82	992	476	5321	69	690	707	9413	81	905	978	12921	0	0
	LEDUC LCD		53.27530	158	8.94	17922	14766	82359	403	2215	9332	52175	47	262	478	2651	74	405	1734	9668	66	366	1171	6489	1	301
		-111.38333		3733	0.01	24123	25122	105400	479	2463	18307	74495	79	334	540	2785	65	389	1989	8809	78	381	511	2792	1	320
		-111.38333			0.01	3459	3544	98736	65	2050	2654	72515	15	463	59	1980	8	465	293	7859	12	310	57	2150	13	457
	FORT MCMURRAT LO				0.01	8467	8953	97553	110	1510	6958	74886	16	154	164	2061	13	227	546	5896	11	131	95	1287	5	133
	BONNYVILLE				2.67	9435	7807	79778	352	3532	5510	55973	69	660	275	2770	77	772	770	7714	57	564	260	2753	0	0
	ATHABASCA		54.71700	1386	0.15	1226	823	66764	57	4006	478	39669	13	1039	20	1402	8	578	72	6003	9	691	137	10681	7	426
	LLOYDMINSTER	-110.00000		_	33.49	13108	7466	55696	65	456	4975	37354	2	17	215	1509	7	50	556	4193	11	77	659	4893	0	76
	WAINWRIGHT	-110.85000		122	92.29	2808	1845	64607	106	3194	1417	51597	26	893	91	2295	18	531	110	3907	9	328	46	1347	0	71
19XXXX	VERMILION	-110.85000	53.35000	422	0.83	942	623	67611	25	1970	442	50547	6	560	25	2358	6	519	41	4694	_ 2	130	41	3375	. 1	155