Alberta Health Primary, Community and Indigenous Health

Community Profile: Cold Lake Health Data and Summary

3rd edition , March 2017



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Disclaimer:

Qualifiers such as 'higher than', 'much lower than', 'similar to' etc. are used throughout the community profile to compare local geographic area (LGA) indicator values to the provincial average. Note that the qualifiers 'similar' and 'comparable' are chosen to describe situations in which the LGA indicator value is either identical or very close to the provincial average. For some indicators (e.g. sexually transmitted infections) the range of values can differ considerably across LGAs. As such, values that may seem different to the reader could be classified as similar by our methodology. For further details on these qualifiers please refer to Appendix A.

Suggested Citation:

Alberta Health Primary, Community and Indigenous Health –Community Profile: [insert LGA name], Health Data and Summary, 3^{rd} edition, March 2017

INTRODUCTION

Primary Health Care provides an entry point into the health care system and links individuals to medical services and social and community supports. The Government of Alberta is currently working to improve primary health care within the province. The Primary Health Care Strategy has five strategic directions: bring about cultural change, enhance delivery of care, establish building blocks for change, population needs based design, increase value and return on investment. Primary health care services in Alberta are delivered by a range of providers in many different settings. Current primary health care models in Alberta include: primary care networks, stand-alone physician clinics, community health centres, urgent-care centres, community ambulatory care centres, medicentres, and university health centres.

To assist with primary health care planning, Alberta Health has developed a series of reports to provide a broad range of demographic, socio-economic and population health statistics considered relevant to primary health care for communities across the province. Alberta Health Services divides the province into five large health service zones, and these zones are subdivided into smaller geographic areas called local geographic areas (LGAs). The Alberta Health "Community Profile" reports provide information at the zone and LGA level for each of the 132 LGAs in Alberta.

The Community Profiles are intended to highlight areas of need and provide relevant information to support the consistent and sustainable planning of primary health care services. Each Community Profile offers an overview of the current health status of residents in the LGA, indicators of the area's current health needs, and evidence as to which quality services are needed on a timely and efficient basis to address the area's needs.

Each report includes sections that present zone and LGA level information. In addition, the Community Profile includes appendices containing sources of additional information about the community (e.g. Health Link Alberta and community services).

The zone level section opens with a zone map that puts the specific LGA into geographic context and includes health-related statistics at the zone level (the highest geographic breakdown next to the full provincial view). Some of the zone level health indicators are unique to this section and are not currently available at the LGA level.

The LGA section of the Community Profile is divided into a number of sub-sections and is the core component of each report. The population size of LGA varies substantially from very small in rural areas to large in metropolitan centers. A compendium of health related information on demographics, prevalence rates, emergency visits, mental health and addiction, maternal and child health and more, is included in this section. In addition, information on indicators of need (relating to utilization, health population needs and social determinants of health) is also provided.

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Furthermore, each Community Profile contains information on access statistics, offering insight into existing needs, as well as the utilization of non-local facilities by LGA residents. A map of selected health care services available in each LGA, together with a listing of these locations, is also included.

While the current Community Profile contains information at both the zone and LGA level, information could be updated or added to the profile if information is provided by the community. For more information contact *primaryhealthcare@gov.ab.ca*.

Note:

Various data sources are used to compile the Community Profiles, which were developed through the collaboration of Alberta Health (Primary, Community and Indigenous Health; Analytics and Performance Reporting; Strategic Policy; Addiction and Mental Health) and Alberta Health Services (Primary Health Care).

The datasets used in previous editions of the community profiles are publicly available through the Interactive Health Data Application https://www.ahw.gov.ab.ca/IHDA_Retrieval/ or the government Open Data portal https://open.alberta.ca/opendata. The datasets for the 3rd edition of the community profiles will be available through Open Data in May 2017.

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COMMUNITY PROFILE SUMMARY

Local Geographic Area: Cold Lake

The community profile contains a large number of demographic, socio-economic and health related indicators intended to provide a better understanding of the community's current and future health needs. Below is a brief overview of some of the key indicators for the local geographic area (LGA), Cold Lake. For an in depth look at the data, please refer to the various sections of the report.

POPULATION HEALTH INDICATORS

- Health status indicators are available solely at the zone level. The percentage of obese adults in the North Zone (which includes Cold Lake) was much higher than the provincial percentage in 2014 (30.7% North Zone vs. 22.8% AB). (Table 1.2)
- The North Zone reported a higher proportion of inactive people compared to the provincial proportion during the same year (45.9% North Zone vs. 43.1% AB). (Table 1.2)

DEMOGRAPHICS

- Cold Lake's population increased by 63.0% between 1996 and 2016 (compared to a 62.2% increase for Alberta) and currently stands at 21,938 people. (Figure 2.2)
- The largest age group in the LGA, in 2016, was 35-64 year olds who accounted for 36.6% of the population compared to 40.4% for Alberta. (Figure 2.1)
- Children 17 and under made up 28.7% of the LGA's population compared to 22.1% for Alberta, while individuals 65 and older accounted for 6.9% of the population in the LGA versus 11.8% in Alberta. (Figure 2.1)

SOCIAL DETERMINANTS OF HEALTH INDICATORS

- Cold Lake had a higher proportion of First Nations and Inuit people compared to Alberta (7.8% vs. 2.8% AB). (Table 3.1)
- The percentage of female lone-parent families was lower than the provincial percentage (9.3% vs. 11.1% AB). (Table 3.2)
- A lower proportion of families with an after-tax low-income level were reported in the LGA compared to Alberta (6.4% vs. 10.7% AB). (Table 3.2)
- The most common non-official languages spoken at home in the LGA were: Tagalog (Pilipino, Filipino), Aboriginal Languages, Spanish, Arabic, Afrikaans, Cantonese, Chinese (n.o.s.), German, Korean, Russian, and Sinhala (Sinhalese). (Table 3.2)

CHRONIC DISEASE PREVALENCE

• In 2015, the disease with the highest prevalence rate (per 100 population) in Cold Lake was hypertension. The rate associated with this disease was similar to the provincial rate (20.9 vs. 20.2 AB). (Figure 4.2)

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MATERNAL HEALTH

• From 2012/2013 to 2014/2015, Cold Lake's birth rate per 1,000 women was higher than the provincial rate (34.9 vs. 25.7 AB) and the teen birth rate per 1,000 women was higher than Alberta's teen birth rate (22.6 vs. 14.0 AB). (Table 5.1)

SEXUALLY TRANSMITTED INFECTIONS

 The highest sexually transmitted infections (STI) rate per 100,000 population in the LGA, in 2013/2014 - 2015/2016, was reported for chlamydia. 4 of the top 5 STI rates in the LGA were higher than the provincial rates. (Table 6.1)

MORTALITY

 The mortality rate (per 100,000 population) due to all causes was higher in the LGA, in 2013-2015, compared to the province (747.1 vs. 634.7 AB) and the most frequent cause of death reported between 2006 and 2015 was neoplasms. (Figures 7.2 and 7.3)

EMERGENCY SERVICE UTILIZATION (PART A: ALL CTAS LEVELS & PART B: ALL EMERGENCY VISITS)

- Semi and non-urgent emergency visits accounted for 60.8% of all emergency visits in 2015/2016. (Table 8.1)
- Acute upper respiratory infections were the most common reason for emergency visits (among select conditions) in 2014, and had a much higher rate (per 100,000 population) compared to the provincial rate (17,747.3 vs. 3,601.8 AB). (Figure 8.4)

INPATIENT SERVICE UTILIZATION

 Ischemic heart disease, pneumonia, and mental & behavioural disorders due to psychoactive substance use were the top three main reasons for inpatient separations (among selected conditions) in 2016, and inpatient separation rates were higher than the provincial rates for 3 of 7 diagnoses. (Figure 9.2)

MENTAL AND BEHAVIOURAL DISORDERS

- Mental and behavioural disorders are particularly important from a population health perspective. In 2014, Cold Lake's emergency department (ED) visit rate for mental and behavioural disorders was similar to the provincial ED visit rate per 100,000 population (659.0 vs. 676.0 AB). (Figure 8.4)
- The inpatient discharge rate associated with mental and behavioural disorders was comparable to Alberta's discharge rate per 100,000 population (143.1 vs. 136.7 AB). (Figure 9.2)
- Between 2006 and 2014, mental and behavioural disorders accounted for 1.9% of all deaths in the LGA. (Figure 7.3) Note that deaths due to the top eight disease categories are displayed in Figure 7.3, while the remaining disease categories are grouped into the generic 'Other'.

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PRIMARY HEALTH CARE INDICATORS OF COMMUNITY PRIMARY CARE NEED

Through a series of consultation meetings and independent team analysis of 34 health indicators, primary health care teams from AHS and Alberta Heath agreed to retain 11 of the most important health indicators relating to primary health care needs for each local geographic area. Some of these indicators relate to primary care utilization and availability of primary care services, while others refer to health conditions or health status such as incidence and prevalence of diseases. One additional indicator included, life expectancy at birth, was seen as a strong determinant of health status. All indicators reporting rates were age-standardized for easy interpretation. The following indicators have been highlighted for this LGA:

- The ambulatory care sensitive conditions (ACSC) separation rate per 100,000 population in Cold Lake was 425.1 compared to the Alberta rate of 359.4. (Table 10.1)
- In Cold Lake, the rate of people with three or more chronic diseases per 100 population was 3.9 compared to the Alberta rate of 3.9. (Table 10.1)
- The percentage of total family physician claims outside the recipient's home local geographic area in Cold Lake was 22.6% compared to the Alberta percentage of 53.1%. (Table 10.1)
- Residents of this local geographic area had a life expectancy at birth of 79.8 years compared to 81.3 years for Alberta. (Table 10.1)

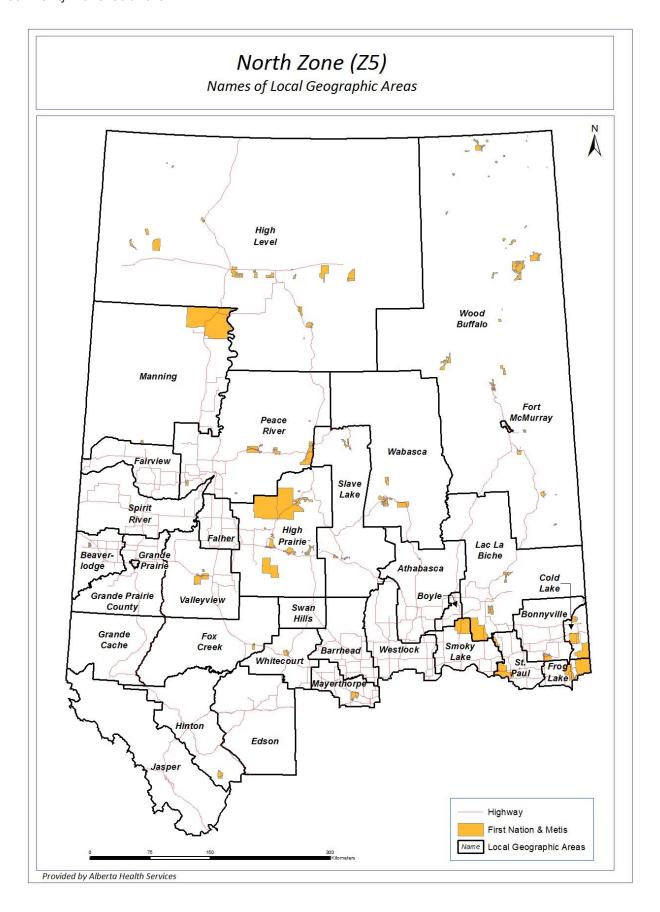
ACCESS TO HEALTH CARE SERVICES

- Cold Lake residents received ambulatory care services at facilities located outside the LGA. In 2015/2016, these visits made up 28.2% (or 15,249 visits) of all ambulatory care visits and most such visits (i.e. 32.8% of all external visits) were to the University of Alberta Hospital in Edmonton (LGA of Edmonton Bonnie Doon). (Tables 11.1 and 11.2)
- In 2015/2016, inpatient separations outside the LGA made up 46.7% (or 944) of all inpatient separations for Cold Lake residents and most of them (i.e. 26.4% of all external inpatient separations) occurred at the Royal Alexandra Hospital in Edmonton (LGA of Edmonton Eastwood). (Tables 11.1 and 11.2)

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Zone Level Information

This section contains information presented at the highest geographic breakdown level before rolling up to a full provincial view. The map of Alberta has been partitioned into five geographic zones (Calgary Zone, Central Zone, Edmonton Zone, North Zone, and South Zone), representing the health zones within Alberta Health Services. A variety of health indicators are unique to this section and are only captured at this level of geography due to either sampling and variability errors, or unavailability of data at the level of local geographical areas.



Alberta North Zone

POPULATION HEALTH INDICATORS

Table 1.1 shows the zone-level population distribution compared to the province, by age group and gender, as at Mar 31 of the most recent fiscal year available. Children under the age of one were defined as infants, while the pediatric age group consists of all minors excluding infants. People with no age information available were categorized as unknown.

TABLE 1.1 Zone versus Alberta Population Covered¹, as at March 31, 2016

	North Zone				Alberta ²	
		Population				
	Female	Male	Total	Female	Male	Total
	250,542	269,707	520,249	2,198,984	2,250,120	4,449,104
Perc	entage Dis	stribution o	f Population b	oy Age Group	os	
Age Group	Female	Male	Total	Female	Male	Total
Infants: Under 1	0.7%	0.8%	1.5%	0.6%	0.6%	1.3%
Pediatric: 1-17	11.3%	11.9%	23.2%	10.1%	10.7%	20.8%
18-34	13.1%	13.9%	27.1%	12.7%	13.0%	25.7%
35-64	18.3%	20.6%	38.9%	19.7%	20.7%	40.4%
65-79	3.5%	3.8%	7.2%	4.5%	4.3%	8.8%
80 & Older	1.2%	0.9%	2.1%	1.8%	1.2%	3.0%
Unknown	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

As at March 31, 2016, the largest age group was 35-64 year olds, accounting for 38.9% of the overall population in the North Zone and 40.4% of the population in Alberta. Children 17 and under comprised 24.7% of North Zone's overall population, compared to 22.1% for Alberta. In addition, residents 65 and older accounted for 9.3% of North Zone's overall population, 2.4 percentage points lower than the corresponding provincial proportion.

Table 1.2 shows zone-level health status indicators compared to the province for the two most recent calendar years available.

TABLE 1.2 Health Status Indicators for Zone versus Alberta Residents, 2013 and 2014

		North Zone				Alberta	
			Body Mass	Index (BMI) ³			
Category	Year	Female	Male	Total	Female	Male	Total
Under Weight	2013	2.4%	0.5%	1.4%	3.6%	0.6%	2.0%
Onder Weight	2014	3.6%	0.6%	2.0%	4.6%	0.8%	2.6%
Normal Weight	2013	41.8%	30.0%	35.3%	53.1%	35.5%	43.8%
	2014	41.1%	26.6%	33.2%	50.6%	35.2%	42.6%
Over Weight	2013	24.9%	44.9%	35.9%	25.5%	43.3%	34.9%
Over Weight	2014	24.0%	42.6%	34.1%	24.5%	39.0%	32.1%
Obese	2013	30.9%	24.5%	27.4%	17.9%	20.6%	19.3%
Obese	2014	31.3%	30.2%	30.7%	20.3%	25.0%	22.8%

85.5%

72.9%

72.2%

27.1%

27.8%

83.5%

72.8%

73.7%

27.2%

26.3%

North Zone Alberta Physical Activity³ Category Year Female Male Total Female Male Total 50.9% 56.2% 56.2% 58.6% 57.4% Active or moderately 2013 62.2% active 2014 51.0% 56.9% 54.1% 54.2% 59.5% 56.9% 2013 37.8% 49.1% 43.8% 43.8% 41.4% 42.6% Inactive 49.0% 45.9% 45.8% 40.5% 2014 43.1% 43.1% Smoking³ 2013 17.1% 25.4% 21.5% 11.7% 18.6% 15.2% Daily smokers 18.3% 20.7% 12.5% 2014 23.4% 16.5% 14.5% 74.6% 78.5% Never/former/ 2013 82.9% 88.3% 81.4% 84.8% occasional smokers 76.6% 81.7% 79.3% 87.5%

Self-Perceived Mental Health³

70.8%

67.3%

29.2%

32.7%

73.1%

70.7%

26.9%

29.3%

TABLE 1.2 Health Status Indicators for Zone versus Alberta Residents, 2013 and 2014 (continued)

The percentage of obese adults (age 20-64, not pregnant) in the North Zone in 2014 was much higher than the provincial percentage (30.7% vs. 22.8% AB) and there was a higher proportion of inactive people compared to Alberta (45.9% vs. 43.1% AB). In addition, a much higher percentage of daily smokers was reported at the zone level compared to the province in 2014 (20.7% vs. 14.5% AB) and a lower proportion considered themselves as having excellent or very good mental health (67.3% vs. 72.2% AB).

70.9%

71.0%

29.1%

29.0%

Table 1.3 reports the infant mortality rates per 1,000 live births for the zone and the province, for the most recent calendar years available.

TABLE 1.3 Zone versus Alberta Infant Mortality Rates (per 1,000 live births) Years 2013 - 2015

70.7%

63.0%

29.3%

37.0%

	North Zone	Alberta	
Infant Mortality Rate (per 1,000 births) ³			
2013	4.4	4.5	
2014	5.5	4.7	
2015	6.7	4.4	

2014

2013

2014

2013

2014

Excellent or Very

Poor Fair or Good

Good

The infant mortality rates in the North Zone varied between 4.4 per 1,000 births in 2013 and 6.7 per 1,000 births in 2015. Compared to Alberta, infant mortality rates in the North Zone were higher for 2 of the 3 calendar years.

Sources: Canadian Community Health Survey Provincial Share Files3

Alberta Health Care Insurance Plan (AHCIP) Annual Population Registry Files, Alberta Health

Postal Code Translator File, Alberta Health

Alberta Vital Statistics Births and Deaths Files

Notes: 1 Population covered represents number of people covered under the Alberta Health Care Insurance Plan (AHCIP)

Methodology:

Surveillance and Assessment Unit, Alberta Health (As of Nov 2016) See link: http://www.ahw.gov.ab.ca/IHDA_Retrieval

² Alberta population figure was calculated based on valid Alberta postal codes.

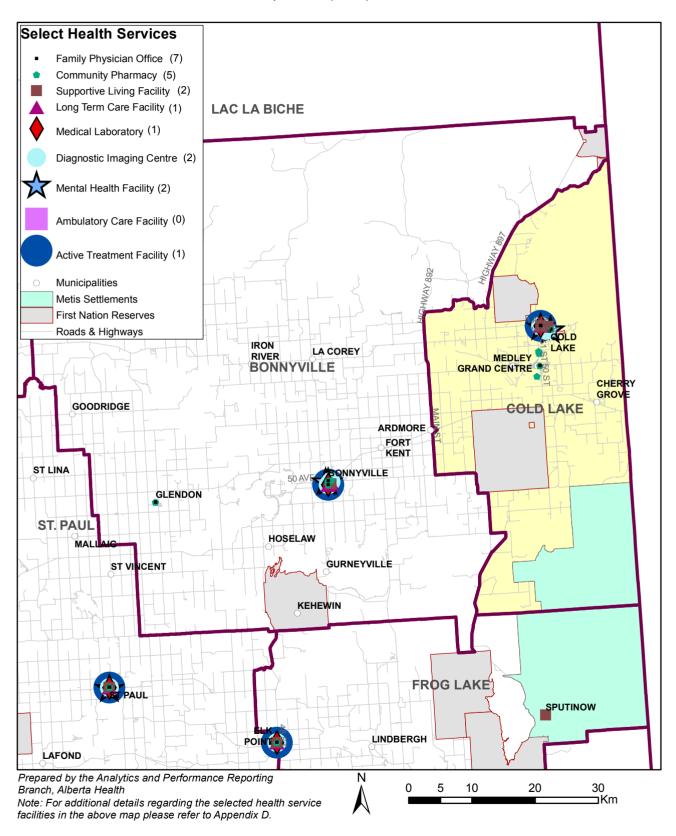
³ See Appendix A for definition.

Local Geographic Area Level Information

This section contains information presented at the level of the local geographic area and is more granular than the information at the zone level. Local geographic area refers to 132 geographic areas created by Alberta Health (AH) and Alberta Health Services (AHS) based on census boundaries. The Federal Census (2011) and National Household Survey (2011) information is custom extracted by Statistics Canada at the local geographic area level. The population of these areas varies from very small in rural areas to large in metropolitan centres.

Map of Selected Health Services in Local Geographic Area of Cold Lake

Population (2016): 21,938



DEMOGRAPHICS

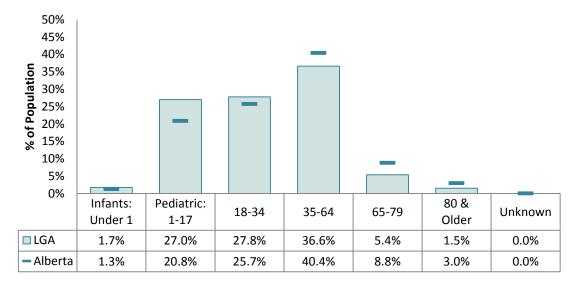
Table 2.1 shows the population distribution of the local geographic area broken down by age group and gender, as at March 31 of the most recent fiscal year available. Specific age groups have been identified. Children under the age of one were defined as infants, while the pediatric age group includes all minors excluding infants. People with no age information available were categorized as unknown.

TABLE 2.1 Distribution of Population Covered¹ by Age and Gender As at March 31, 2016

Local Geographic Area Population						
Age Group	Female	Male	Total			
Infants: Under 1	192	189	381			
Pediatric: 1-17	2,880	3,044	5,924			
18-34	3,204	2,891	6,095			
35-64	4,135	3,890	8,025			
65-79	595	587	1,182			
80 & Older	190	141	331			
Unknown	0	0	0			
Total	11,196	10,742	21,938			

Figure 2.1 profiles the population distribution by age group for both the local geographic area and Alberta, as at March 31 of the most recent fiscal year available.

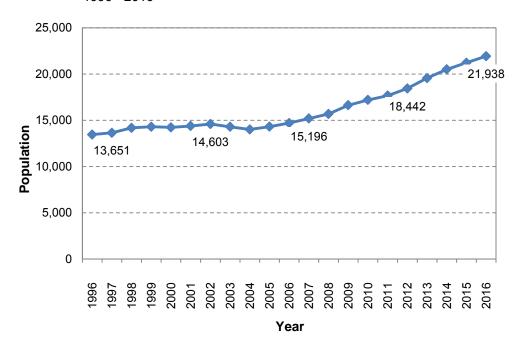
FIGURE 2.1 Percentage Distribution of Local Geographic Area (LGA) versus Alberta Population By Age Group as at March 31, 2016



As at March 31, 2016, the largest age group was 35-64 year olds, accounting for 36.6% of the overall population. Children 17 and under comprised 28.7% of Cold Lake's overall population, compared to 22.1% for Alberta. In addition, residents 65 and older accounted for 6.9% of Cold Lake's overall population, 4.9 percentage points lower than the corresponding provincial proportion.

The population counts as at March 31 of each year, between 1996 and the most recent year are provided in Figure 2.2.

FIGURE 2.2 Local Geographic Area Population Covered as at End (i.e. Mar 31) of Fiscal Years 1996 - 2016



The population of Cold Lake increased by 63.0% between 1996 and 2016. A low of 13,459 individuals was reported in 1996 and a peak of 21,938 people was reported in 2016.

Sources:

Alberta Health Care Insurance Plan (AHCIP) Annual Population Registry File, Alberta Health Postal Code Translator File, Alberta Health

Notes:

¹ Population covered represents number of people covered under the Alberta Health Care Insurance Plan (AHCIP)

SOCIAL DETERMINANTS OF HEALTH INDICATORS

Tables 3.1 and 3.2 highlight a number of indicators relating to social determinants of health such as family income, housing and educational attainment. Values for the local geographic area and Alberta are listed as proportions, raw numbers, or dollar amounts, depending on the indicator.

TABLE 3.1 Population Percentage of First Nations with Treaty Status¹ and Inuit as at March 31, 2016

First Nations with Treaty Status and Inuit Population				
Cold Lake Alberta				
Percent of Population that is First Nations or Inuit 7.8% 2.8				

TABLE 3.2 Social Determinants of Health Indicators² for Local Geographic Area versus Alberta Residents 2011

Family Composition				
	Cold Lake	Alberta		
Percent (Number of) Male Lone-Parent Families	4.5% (230)	3.4% (33,705)		
Percent (Number of) Female Lone-Parent Families	9.3% (475)	11.1% (110,800)		
Percent (Number of) 65 Years of Age and Older Who Live Alone	22.7% (245)	25.0% (91,355)		
Percent (Number of) Persons not in Census Family ¹	13.8% (2,485)	17.3% (616,065)		
Percent (Number of) Census Family Persons	86.2% (15,530)	82.7% (2,951,865)		
Average Number of Persons per Census Family	3.0	3.0		
Family Inc	ome			
	Cold Lake	Alberta		
Percent (Number) of Families with After-Tax Low-Income ¹	6.4% (320)	10.7% (105,875)		
Percent (Number) of Private Households with an After-Tax Income ≥ \$100,000 in 2010	34.7% (2,280)	27.8% (386,990)		
Average Census Family Income	\$117,613	\$116,232		
Housin	g			
	Cold Lake	Alberta		
Percent Living in Owned Dwellings	73.2%	73.6%		
Percent Where Greater Than 30% of Income Is Spent on Housing for Homeowners	13.6%	18.4%		
Average Value of Dwelling	\$341,886	\$398,839		
Percent of Homeowners Who Have Homes in Need of Major Repairs	8.8%	7.0%		
Percent Living in Rented Dwellings	23.5%	25.7%		
Percent Where Greater Than 30% of Income Is Spent on Housing for Renters	18.2%	38.6%		
Percent Living in Band Housing ¹	3.3%	0.7%		

Compared to Alberta, Cold Lake had a higher proportion of First Nations people (7.8% vs. 2.8% AB). The proportion of female lone-parent families was lower than the provincial proportion (9.3% vs. 11.1% AB). In addition, the proportion of male lone-parent families in Cold Lake was higher than the provincial proportion (4.5% vs. 3.4% AB).

Furthermore, a lower percentage of families had an after-tax low-income level compared to the province (6.4% vs. 10.7% AB). Compared to Alberta, the percentage of people who spent 30% or more of their income on housing related expenses for homeowners was 4.8 percentage points lower in Cold Lake. In addition, a similar proportion of people in Cold Lake lived in dwellings they owned (73.2% vs. 73.6% AB).

TABLE 3.2 Social Determinants of Health Indicators² for Local Geographic Area versus Alberta Residents 2011 (Continued)

2011 (Continued)		
Mobilit	у	
	Cold Lake	Alberta
Percent who lived at the Same Address One Year Ago	85.4%	84.8%
Percent who lived at the Same Address Five Years Ago	47.7%	55.1%
Langua		
	Cold Lake	Alberta
Percent Who Do Not Speak English or French	0.1%	1.4%
Percent of Households Where a Non-Official Language Is Spoken at Home	1.4%	10.5%
Top Five Non-Official Languages Spoken at Home ³	Tagarog (Pilipino, Filipino), Aboriginal Languages, Spanish, Arabic, Afrikaans, Cantonese, Chinese (n.o.s.), German, Korean, Russian,	Panjabi (Punjabi), German, Tagalog (Pilipino, Filipino), Chinese (n.o.s.), and Spanish
Immigrat	ion	
	Cold Lake	Alberta
Total Number of Immigrants	780	644,115
Percent of Immigrants Who Arrived in the Last Five Years	0.6%	4.0%
Top Five Places of Birth for Recent Immigrants ⁴	N/A	Philippines, India, China, United Kingdom, and United States
Educational At	tainment	
	Cold Lake	Alberta
Percent with No High School Graduation Certificate	14.9%	12.3%
Percent with High School Graduation Certificate	23.5%	23.8%
Percent with Apprenticeship, Trades Certificate or Diploma	20.0%	12.2%
Percent with College, Other Non-University Certificate, or Diploma	24.0%	21.4%
Percent with University Certificate, Diploma or Degree	17.6%	30.3%

TABLE 3.2 Social Determinants of Health Indicators² for Local Geographic Area versus Alberta Residents 2011 (Continued)

Household and Dwelling Characteristics				
	Cold Lake	Alberta		
Percent Persons in Private Households ¹	99.3%	97.9%		
Total Number of Households by Household Type	6,575	1,390,275		
Census Family Households	75.3%	69.8%		
One-Family-Only Households	67.9%	62.6%		
Two-or-More-Family Households	7.5%	7.1%		
Non-Family Households	24.6%	30.2%		
Total Number of Dwellings by Structural Type	6,570	1,390,275		
Single-Detached House	74.0%	63.5%		
Moveable Dwelling	3.5%	3.4%		
Other Dwelling Including ≥5 Storey Apartment Buildings	22.5%	33.1%		

Cold Lake had a lower proportion of non-English and non-French speaking people compared to Alberta (0.1% vs. 1.4% AB). Also, a lower proportion of immigrants arrived in the last five years in Cold Lake compared to the province (0.6% vs. 4.0% AB). Furthermore, Cold Lake reported a lower proportion of people with university certificates, diplomas or degrees (17.6% vs. 30.3% AB).

Sources:

Federal Census (2011) by LGA - Custom Extract, Statistics Canada

National Household Survey (2011) by LGA - Custom Extract, Statistics Canada

Postal Code Translator File, Alberta Health

Alberta Health Care Insurance Plan (AHCIP) Annual Population Registry Files, Alberta Health

Notes:

- -> Africa: Algeria, Cameroon, Congo, Egypt, Ethiopia, Mauritius, Morocco, Nigeria, Somalia, Tunisia, South Africa
- -> Americas (N, S and Central): Brazil, Colombia, Cuba, Guyana, Haiti, Jamaica, Mexico, Peru, United States, Venezuela
- -> Asia (incl. Middle East): Afghanistan, Bangladesh, China, Hong Kong Special Administrative Region, India, Iran, Iraq, Israel, Japan, Lebanon, Nepal, Pakistan, Philippines, Saudi Arabia, South Korea, Sri Lanka, Syria, Taiwan, Turkey, United Arab Emirates, Vietnam
- -> Europe: France, Germany, Moldova, Poland, Romania, Russian Federation, Ukraine, United Kingdom

¹ See Appendix A for definition.

² N/A indicates that data were not available for a specific metric for this LGA

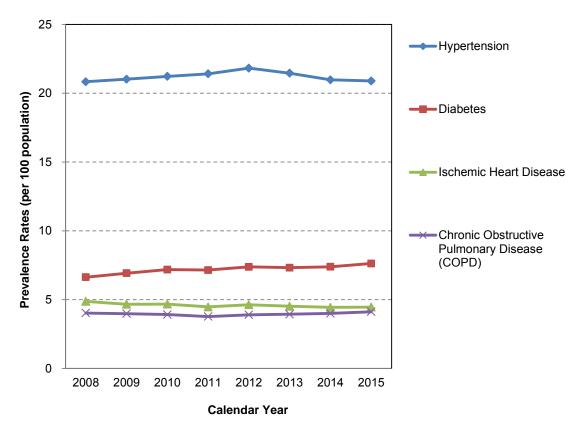
³Less than five languages may be listed if no others were reported. Six or more languages may be listed in the case of ties.

⁴Less than five places of birth may be listed if no others were reported. Six or more places of birth may be listed in the case of ties. Since only a selected number of countries was included for each continent, categories like "Other places of birth in Continent X" may appear among the top 5 places of birth listed in Table 3.2; to better understand which countries are included in the "Other..." categories please refer to the list of selected counties that appeared distinctly in the data; countries not included in "Other..." but that could appear on their own are listed below:

CHRONIC DISEASE PREVALENCE

Figure 4.1 displays the rates per 100 population of the selected chronic diseases in the local geographic area, by calendar year. The prevalence rates refer to the number of diagnosed individuals at a given time and have been standardized by age.

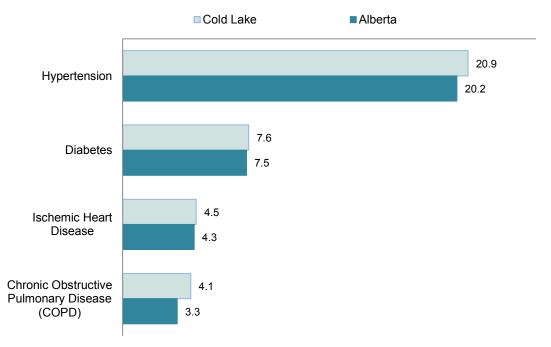
FIGURE 4.1 LGA Age-Standardized Chronic Disease Prevalence Rates¹ (per 100 population) 2008 - 2015



On average, the condition with the highest chronic disease prevalence rate reported for Cold Lake during 2008 to 2015 was hypertension. The largest rate of change during this time period was reported for diabetes (on average, a 0.12 people per 100 population increase per year). In 2015, Cold Lake ranked number 65 in hypertension, number 61 in diabetes, number 82 in ischemic heart disease and number 50 in COPD among prevalence rates reported for the 132 local geographical areas (note: a lower rank is desirable).

Figure 4.2 depicts the age-standardized prevalence rate of major chronic diseases, per 100 population, for the local geographic area compared to Alberta (most recent calendar year).

FIGURE 4.2 LGA versus Alberta Age-Standardized Chronic Disease Prevalence Rates (per 100 population), 2015



Age-Standardized Prevalence Rates (per 100 population)

In 2015, the Cold Lake prevalence rate for hypertension per 100 population was similar to the corresponding rate reported for the province (20.9 vs. 20.2 AB). In addition, Cold Lake showed prevalence rates higher than the provincial rates for 4 of the 4 chronic diseases included above.

Sources:

Alberta Health Care Insurance Plan (AHCIP) Physician Claims Data, Alberta Health Alberta Health Care Insurance Plan (AHCIP) Quarterly Population Registry Files, Alberta Health Alberta Hospital Discharge Abstract Database (DAD), Alberta Health

Postal Code Translator File, Alberta Health

Census 2011 Population Data, Statistics Canada

Notes:

¹Age-standardized prevalence rates are adjusted using the direct method of standardization, with weights from Statistics Canada's 2011 census population.

Methodology:

Surveillance and Assessment Branch, Alberta Health (As of Nov 2016) See link: http://www.ahw.gov.ab.ca/IHDA_Retrieval

MATERNAL AND CHILD HEALTH

Table 5.1 highlights maternal and child health indicators such as birth weight, fertility rate, teen birth rate and prenatal smoking for the local geographic area and Alberta. The indicator information is presented as rates, percentages, or raw numbers, depending on the indicator.

TABLE 5.1 Local Geographic Area Maternal and Child Health Indicators for the period 2012/2013 - 2014/2015

Maternal and Child Health Indicators	Three-Fiscal-Year Period	Cold Lake	Alberta
Number of Births		1,091	160,857
Percent Low Birth Weights (of Live Births) ¹ , less than 2500 gm		5.0%	7.1%
Percent High Birth Weights (of Live Births) ¹ , greater than 4000 gm	2012/2013 - 2014/2015	11.5%	9.1%
Birth Rate (per 1,000 population) ¹		34.9	25.7
Fertility Rate (per 1,000 Women 15 to 49 Years) ¹		64.8	50.8
Teen Birth Rate (per 1,000 Women 15 to 19 Years)		22.6	14.0
Percent of Deliveries with Maternal Prenatal Smoking		21.8%	13.4%

During 2012/2013 to 2014/2015, Cold Lake's birth rate of 34.9 per 1,000 women was higher than the provincial rate, and the teen birth rate of 22.6 per 1,000 was higher than Alberta's teen birth rate. In addition, a higher proportion of prenatal smoking cases were reported in Cold Lake compared to the province (21.8% vs. 13.4% AB).

Table 5.2 presents the rates for childhood immunization coverage by the age of two for the local geographic area and Alberta. The data is provided for the most recent calendar year available.

TABLE 5.2 Childhood Immunization Coverage Rates, 2015

DTaP-IPV-Hib (Diphtheria, Tetanus, Pertussis, Polio and Haemophilus Influenza B) Dose 4 of 4			
Age Group	Calendar Year	Cold Lake	Alberta
By Age Two	2015	81.2%	75.4%
MMR (Measles, Mumps, and Rubella)			
By Age Two	2015	88.0%	87.1%

By the age of two, 81.2% of children in Cold Lake (in 2015) had been vaccinated against DTaP-IPV-Hib (compared to 75.4% for AB), while 88.0% had received MMR vaccines (compared to 87.1% for AB).

Sources:

Alberta Hospital Discharge Abstract Database (DAD), Alberta Health
Alberta Health Care Insurance Plan (AHCIP) Annual Population Registry File, Alberta Health
Alberta Vital Statistics Births File
Regional Immunization Applications

Immunization and Adverse Reaction to Immunization (Imm/ARI)

Postal Code Translator File, Alberta Health

Notes:

Methodology (Childhood Immunizations):

Surveillance and Assessment Unit, Alberta Health (As of Nov 2014) See link: http://www.ahw.gov.ab.ca/IHDA_Retrieval

¹ See Appendix A for definition.

SEXUALLY TRANSMITTED INFECTIONS

Table 6.1 lists the rates of Sexually Transmitted Infections (STI) for the most recent three-fiscal-year periods available, for the local geographic area and Alberta.

TABLE 6.1 Top 5 Sexually Transmitted Infection (STI)¹ Rates (per 100,000 population) By Three-Fiscal-Year Period

STI (per 100,000 population)			
Three-Fiscal- Year Period	Disease	Cold Lake	Alberta
2012/2013 - 2014/2015	Chlamydia	641.2	379.1
	Gonorrhea	140.3	48.4
	Non-Gonococcal Urethritis	48.9	37.3
	Mucopurulent Cervicitis	11.4	7.1
	Syphilis	3.3	9.4
2013/2014 - 2015/2016	Chlamydia	573.3	382.4
	Gonorrhea	117.8	58.7
	Non-Gonococcal Urethritis	56.5	37.4
	Mucopurulent Cervicitis	11.0	7.1
	Syphilis	3.1	11.1

Cold Lake's highest STI rate per 100,000 population in 2013/2014 - 2015/2016 was reported for chlamydia and this rate was higher than the provincial rate (573.3 vs. 382.4 AB).

4 of the top 5 STI rates in Cold Lake were higher than the provincial rates for STIs in 2013/2014 - 2015/2016.

Sources:

Alberta Health Care Insurance Plan (AHCIP) Annual Population Registry Files, Alberta Health Communicable Disease Reporting System (CDRS)

Postal Code Translator File, Alberta Health

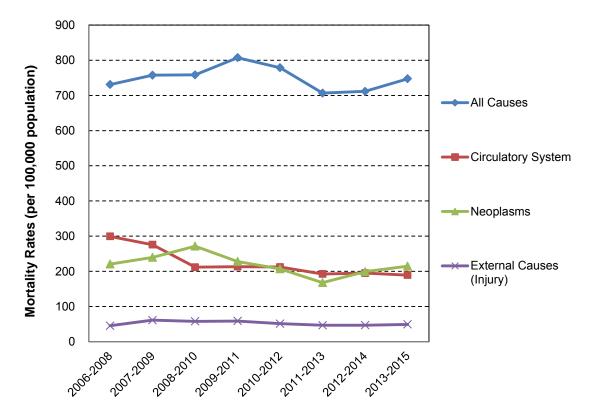
Notes:

¹ See Appendix A for definition.

MORTALITY

Figure 7.1 displays the age-standardized mortality rates¹, per 100,000 population, for the three selected causes of death and all causes combined. Data is provided for each three-calendar-year period between 2006 and 2015. The age-standardized mortality rate by cause of death is a measure of the frequency (rate) at which deaths occur in a given population due to a certain cause.

FIGURE 7.1 Local Geographic Area Age-Standardized Mortality Rates¹ (per 100,000 population) By Three-Calendar-Year Period

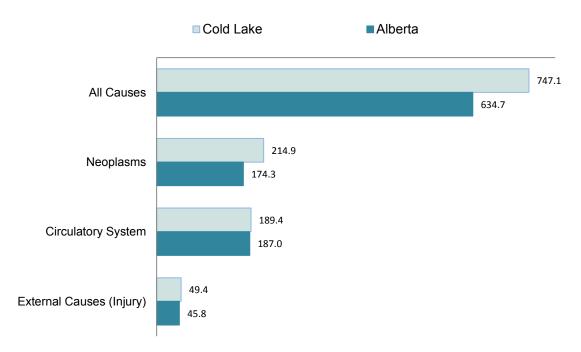


Three-Calendar-Year Period

The three-year mortality rates for Cold Lake ranged between 706.6 and 807.2 per 100,000 population during the study period. The three selected causes of death, namely, neoplasms, diseases of the circulatory system, and external causes accounted for 59.5% to 78.2% of all deaths from 2006 - 2008 to 2013 - 2015.

The mortality rates per 100,000 population for the three selected causes of death² and all causes combined are displayed in Figure 7.2 for both the local geographic area and Alberta, for the most recent three-calendar-year period available. The mortality rates have been standardized by age.

FIGURE 7.2 Local Geographic Area versus Alberta Age-Standardized Mortality Rates (per 100,000 population) for Three-Calendar-Year Period 2013-2015

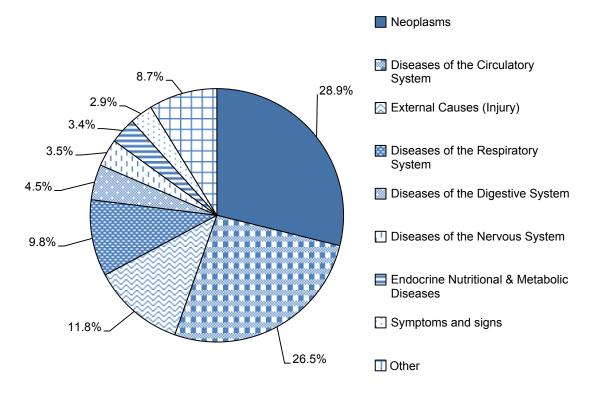


Age-Standardized Mortality Rates (per 100,000 population)

For all causes, Cold Lake reported a higher mortality rate compared to the provincial rate (747.1 vs. 634.7 AB). In 2013 - 2015, neoplasms was the main cause of death in Cold Lake, with an associated mortality rate higher than the provincial rate per 100,000 population (214.9 vs. 174.3 AB). In addition, mortality rates were higher than the provincial rates for 3 of the 3 selected causes of death reported in Cold Lake.

Figure 7.3 illustrates the distribution of deaths by cause of death (top 8 causes) for the local geographic area, over the most recent 10-calendar-year period available. All other causes of death are lumped into the "Other" category. As such, this category may include different causes of death from report to report. The legend displays causes of death in descending order of magnitude.

FIGURE 7.3 LGA Distribution of Deaths by Cause of Death Across 10 Calendar Years, 2006-2015



Between 2006 and 2015 neoplasms accounted for 28.9% of all deaths reported in Cold Lake. More than three-quarters of all reported deaths were due to four major causes: neoplasms, diseases of the circulatory system, external causes (injury), and diseases of the respiratory system.

Sources:

Alberta Vital Statistics Death File

Alberta Health Care Insurance Plan (AHCIP) Quarterly Population Registry Files, Alberta Health Postal Code Translator File, Alberta Health

Census 2011 Population Data, Statistics Canada

Notes:

¹Age-standardized mortality rates are adjusted using the direct method of standardization, with weights from Statistics Canada's 2011 census population.

² Cause of death is derived from International Classification of Diseases 10 (ICD10) coding system.

EMERGENCY SERVICE UTILIZATION (PART A: BY CTAS LEVEL)

Table 8.1 describes emergency visits by Canadian Triage and Acuity Scale (CTAS) level¹, for patients residing in the local geographic area, for the three most recent fiscal years.

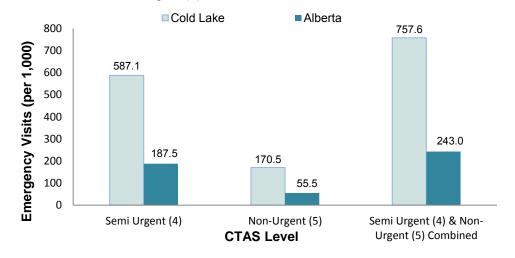
TABLE 8.1 Emergency Visits for Patients Residing in the Local Geographic Area by CTAS Level Fiscal Years 2013/2014 - 2015/2016

CTAS Level	Emergency Visits		
CTAS Level	2013/2014	2014/2015	2015/2016
Resuscitation (1) and Emergency (2) Combined	876 (3.3%)	882 (3.2%)	1,515 (5.5%)
Urgent (3)	5,514 (20.8%)	6,342 (23.2%)	8,078 (29.5%)
Semi Urgent (4)	13,995 (52.9%)	14,129 (51.6%)	12,880 (47.1%)
Non-Urgent (5)	4,200 (15.9%)	4,190 (15.3%)	3,741 (13.7%)
Unknown	1,877 (7.1%)	1,839 (6.7%)	1,126 (4.1%)
Total	26,462 (100%)	27,382 (100%)	27,340 (100%)

The volume of emergency visits for patients residing in Cold Lake increased by 3.3% between 2013/2014 and 2015/2016. In addition, semi-urgent and non-urgent visits combined accounted for 60.8% of all emergency visits in 2015/2016, an increase of -8.7% from 2013/2014.

Figure 8.1 shows emergency visit rates by semi-urgent and non-urgent CTAS levels for patients residing in the local geographic area and Alberta, for the most recent fiscal year available.

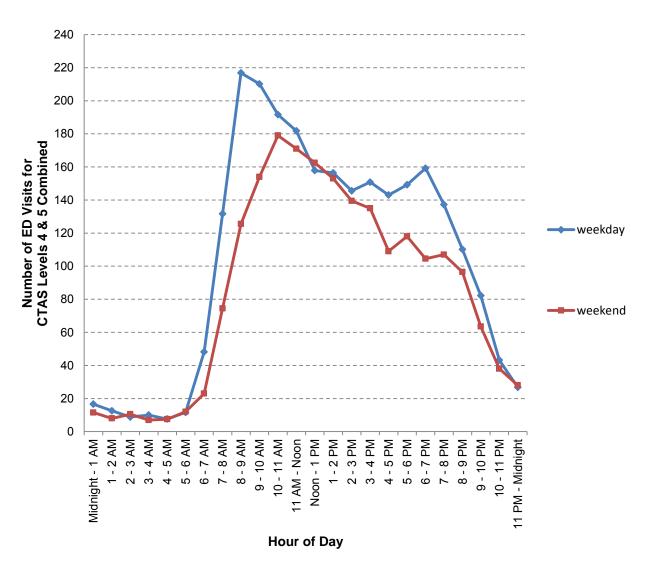
FIGURE 8.1 Emergency Visit Rates¹ (per 1,000 population) for CTAS Levels Semi-Urgent (4) and Non-Urgent (5)², Fiscal Year 2015/2016



Cold Lake's combined semi-urgent and non-urgent emergency visit rate per 1,000 population was much higher than the provincial rate in 2015/2016 (757.6 vs. 243.0 AB). Semi-urgent emergency visits occurred at a 3.1 times higher rate in Cold Lake compared to Alberta (587.1 vs. 187.5 AB).

A time profile of the average number of emergency visits by weekday/weekend is shown in Figure 8.2. Data covers both semi-urgent and non-urgent emergency visit CTAS levels during the most recent fiscal year available, for patients residing in the local geographic area.

FIGURE 8.2 Total Hourly Number of Emergency Visits for Patients Residing in the LGA For CTAS Levels Semi-Urgent(4) and Non-Urgent(5) Combined, by Weekday/Weekend (Fiscal Year 2015/2016).



The peak hourly total number of emergency visits for Cold Lake in 2015/2016 was reported for weekdays between 8 - 9 AM (217 emergency visits). That is, there was a total of 217 visits reported between 8 - 9 AM on a regular weekday day, during this year. The hourly total number of emergency visits for both weekdays and weekends was low between midnight and early morning hours, increased gradually afterwards, and declined considerably late at night.

Sources:

Ambulatory Care Data, Alberta Health
Alberta Health Care Insurance Plan (AHCIP) Annual Population Registry File, Alberta Health
Postal Code Translator File, Alberta Health

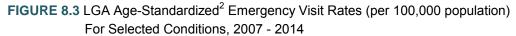
Notes:

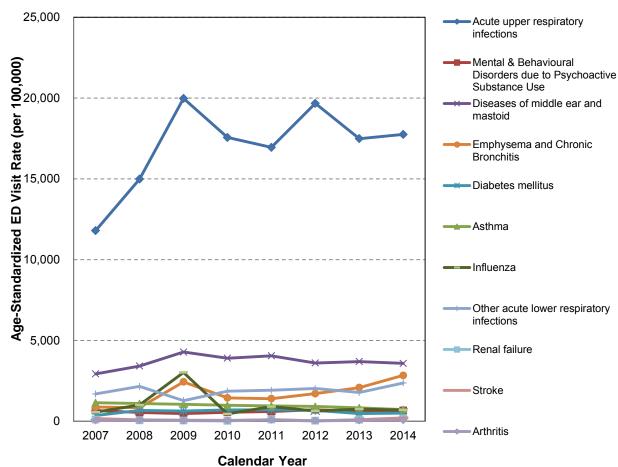
¹ See Appendix A for definition.

² In order to be consistent with the type of services expected to be provided by primary health care, the analysis above focused only on semi-urgent and non-urgent emergency CTAS levels.

EMERGENCY SERVICE UTILIZATION (PART B: ALL EMERGENCY VISITS)

Figure 8.3 provides age-standardized emergency visit rates¹ for selected health conditions per 100,000 population for each calendar year beginning in 2007. Emergency department visit rates are defined as the number of visits to emergency departments due to a certain condition, divided by the total population of the local geographic area.

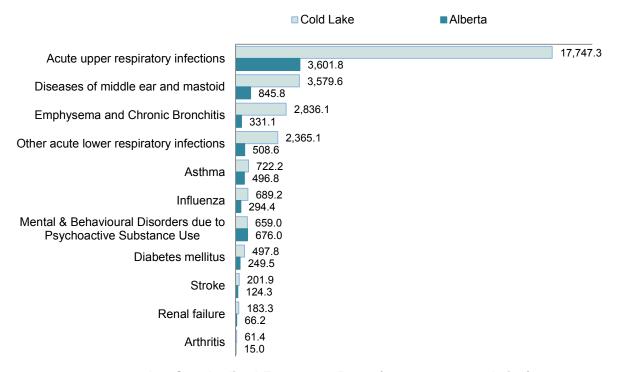




On average, the highest emergency visit rates for selected health conditions reported for Cold Lake during 2007 to 2014 were due to acute upper respiratory infections. In addition, among selected health conditions, the largest rate of change among emergency visits during this time period was reported for acute upper respiratory infections (on average, a 627 emergency visits per 100,000 population increase per year).

Age-standardized emergency visit rates per 100,000 population, by selected health conditions, for the most current calendar year available, are shown in Figure 8.4 for both the local geographic area and Alberta.

FIGURE 8.4 LGA versus Alberta Age-Standardized Emergency Visit Rates (per 100,000 population)
For Selected Conditions, Calendar Year 2014



Age-Standardized Emergency Rates (per 100,000 population)

In 2014, the three most common reasons for emergency visits, among selected health conditions, were: acute upper respiratory infections, diseases of middle ear and mastoid, and emphysema and chronic bronchitis. Among selected health conditions, the most common reason for emergency visits in 2014, acute upper respiratory infections, had a much higher rate in Cold Lake compared to the provincial rate per 100,000 population (17,747.3 vs. 3,601.8 AB). Furthermore, Cold Lake showed emergency rates higher than the provincial rates for 10 of the 11 selected conditions.

Sources: Ambulatory Care Data, Alberta Health

Alberta Health Care Insurance Plan (AHCIP) Quarterly Population Registry Files, Alberta Health

Postal Code Translator File, Alberta Health

Census 2011 Population Data, Statistics Canada

Notes: 1 See Appendix A for definition.

²Age-standardized rates are adjusted using the direct method of standardization, with weights from Statistics Canada's 2011 census population.

Methodology:

Surveillance and Assessment Unit, Alberta Health (As of Nov 2016)

See link: http://www.ahw.gov.ab.ca/IHDA_Retrieval

INPATIENT SERVICE UTILIZATION

Table 9.1 describes yearly inpatient separation¹ (IP Sep) rates per 100,000 population for patients residing in the LGA as well as Alberta. The rate of inpatient separations is the ratio between the total number of separations and the total local population.

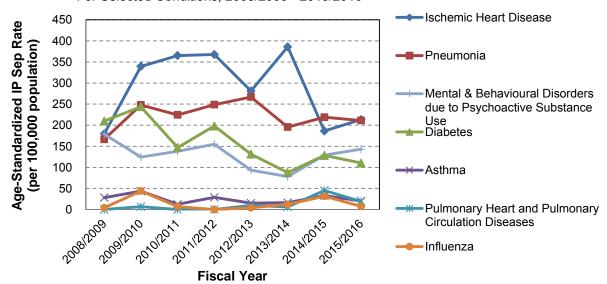
TABLE 9.1 Inpatient Separation Rates (per 100,000 population) for Patients Residing in the LGA versus Alberta, Fiscal Years 2013/2014 - 2015/2016

Inpatient Separation Rates (per 100,000 population)			
Fiscal Years	Cold Lake	Alberta	
2013/2014	9,133.0	8,611.6	
2014/2015	9,111.5	8,496.5	
2015/2016	8,528.6	8,413.3	

Cold Lake's inpatient separation rate for patients residing in the local geographic area varied between 8530.0 in 2015/2016 and 9130.0 in 2013/2014. In addition, in 2015/2016, the inpatient separation rate for patients residing in Cold Lake was similar to the provincial rate (8528.6 vs. 8413.3 AB).

Figure 9.1 presents IP Sep rates for selected health conditions (per 100,000 population), for patients residing in the local geographic area, for the fiscal years 2008/2009 through 2015/2016. The rates have been standardized by age.

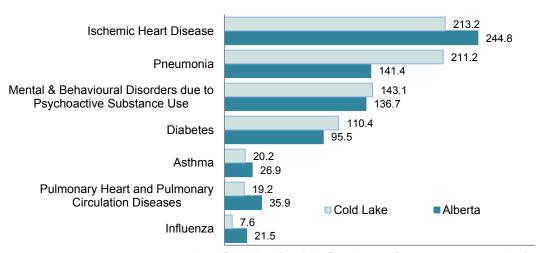
FIGURE 9.1 LGA Age-Standardized² Inpatient Separation Rates (per 100,000 population) For Selected Conditions, 2008/2009 - 2015/2016



On average, the highest inpatient separation rates, among selected health conditions, reported in Cold Lake during 2008/2009 to 2015/2016 were due to ischemic heart diseases. These rates reached a high of 385.8 per 100,000 population in 2013/2014 and a low of 179.6 per 100,000 population in 2008/2009. Also, among selected conditions, the largest inpatient separation rate of change during this time period was reported for diabetes mellitus (on average, a 18 inpatient separation per 100,000 population decrease per year).

Figure 9.2 presents inpatient separation rates per 100,000 population for patients residing in the local geographic area, compared to provincial rates, for the most recent fiscal year and selected health conditions.

FIGURE 9.2 LGA versus Alberta Age-Standardized Inpatient Separation Rates (per 100,000 population)
For Selected Conditions, 2015/2016



Age-Standardized IP Sep Rates (per 100,000 population)

In 2015/2016, the three highest inpatient separation rates were reported for ischemic heart disease, pneumonia, and mental & behavioural disorders due to psychoactive substance use. The most common reason for inpatient separations in Cold Lake was ischemic heart disease, which had a similar rate compared to the provincial rate per 100,000 population (213.2 vs. 244.8 AB). Additionally, Cold Lake's inpatient separation rates were higher than the provincial rates for 3 of the 7 diagnoses.

Sources:

Alberta Hospital Discharge Abstract Database (DAD), Alberta Health

Alberta Health Care Insurance Plan (AHCIP) Quarterly Population Registry Files, Alberta Health

Postal Code Translator File, Alberta Health

Census 2011 Population Data, Statistics Canada

Notes: 1 See Appendix A for definition.

²Age-standardized rates are adjusted using the direct method of standardization, with weights from Statistics Canada's 2011 census population.

Methodology:

Surveillance and Assessment Unit, Alberta Health (As of Dec 2014) See link: http://www.ahw.gov.ab.ca/IHDA_Retrieval

PRIMARY HEALTH CARE INDICATORS OF COMMUNITY PRIMARY CARE NEED

As a result of consultations and analysis during the fall of 2016, 12 indicators were identified to help determine the need for new or additional primary health care services across all local geographic areas throughout Alberta. These indicators were related to health service utilization and the health needs of the population. The indicators are standardized by age, where appropriate, to allow comparison of information across local geographic areas and the province. The bullets below present the underlying issues that these indicators will address.

- Health status indicators help show the burden of disease in the population that could be monitored and/or improved by primary health care services.
- Utilization indicators determine if there is a gap between population health needs and available health care services and suggests where this gap exists (e.g. use of emergency departments for non-urgent health care).

Table 10.1 profiles recent data for these indicators for both the local geographic area (LGA) and Alberta. The LGA indicator value is compared to the Alberta average.

TABLE 10.1. Primary Health Care Indicators of Community Primary Care Need

	Utilization Indicators	Cold Lake	Alberta
1	Travel: Percentage of LGA's Recipients' Family Physician Claims Reported Outside of the LGA, 2015/2016	22.6%	53.1%
2	Volume of Family Physicians (per 1,000 Population), 2015/2016	0.6	1.0
3	Ambulatory Care Sensitive Conditions - Age- Standardized Separation Rate (per 100,000 population), 2015/2016	425.1	359.4
4	General Practice Care Sensitive Conditions - Age- Standardized Rate (per 100,000 population), 2015/2016	48,662.6	12,112.5
5	ED Visits Related to Mood and Anxiety Disorders - Age-Standardized Rate (per 100,000 population), 2015/2016	2,579.8	1,167.8
6	ED Visits Related to Substance Abuse - Age- Standardized Rate (per 100,000 population), 2015/2016	1,693.9	1,073.0
7	ED Readmissions within 30 Days of Discharge from Hospital - Age-Standardized Rate (per 100,000 population), 2015/2016	1,779.7	1,444.2

TABLE 10.1. Proposed Primary Health Care Indicators of Community Primary Care Need (continued)

	Health Status Indicators¹	Cold Lake	Alberta
8	Age-Standardized Rate of People with Three or more Chronic Diseases (per 100 population), 2015/2016	3.9	3.9
9	Percentage of Influenza Vaccines for Those 65 and Over, 2015/2016	54.8%	53.3%
	Social Determinant of Health	Cold Lake	Alberta
10	Average Canadian Deprivation Index (per 100 population), 2015/2016	5.8	7.3
11	SES: Percentage of People Receiving Support, in the Population, 2015/2016	18.8%	21.3%
12	Life Expectancy at Birth, 2006 to 2015	79.8	81.3

Each of the 12 indicators displayed for Cold Lake is described below. Higher values are desirable for indicators 2, 9 and 12. The reverse holds for the nine remaining indicators.

Indicator 1: Percentage of LGA's Recipients' Family Physician Claims Outside of the LGA

The percentage of total Family Physician claims outside the recipient's home local geographic area is a proxy for access to primary care services. While the indicator provides values for all LGAs, the values are more informative for rural or remote areas (as travel inside urban areas has different meaning and impact).

Indicator 2: Volume of Family Physicians

This indicator measures the number of active Family Physicians per 1,000 population in the LGA. This indicator can be linked to continuity of care, access to care, wait times and general patient satisfaction. Physicians directly influence how most health care resources are utilized. Information on physician supply and distribution will help support health decision-makers and planners to prepare for future needs.

Indicator 3: Ambulatory Care Sensitive Conditions

The Canadian Institute of Health Information (CIHI) has recognized ambulatory care sensitive conditions (ACSC) separation rates as a valid proxy indicator for the robustness of a primary care system. The ACSC indicator measures the aggregate acute care separation rate, per 100,000 population, over one year for the following seven conditions. Of these, the following six conditions have been included in the current indicator: Angina, Asthma, Congestive Heart Failure, Chronic Obstructive Pulmonary Disorder, Diabetes and Hypertension. A disproportionately high rate is presumed to reflect problems in obtaining access to appropriate primary care. Note that in rural areas, a limitation of this indicator is that it reflects differences in access to physicians.

Indicator 4: General Practice Care Sensitive Conditions

The General Practice Care Sensitive Conditions indicator measures the aggregate emergency department (ED) or urgent care centre visits rate for health conditions that may be appropriately managed at a family physician's office. Treatment of such conditions at family physician offices allows for proper follow up and better patient outcomes. A disproportionately high rate is presumed to reflect problems in obtaining access to appropriate primary care.

Indicator 5: ED Visits Related to Mood and Anxiety Disorders

This indicator measures the number of ED visits related to mood and anxiety disorders, per 100,000 population. A higher rate of ED visits related to mood and anxiety disorders may be an indication of inadequate community resources or difficulties accessing care in the community. Most ED visits related to mood and anxiety disorders can be avoided if individuals with these condition have access to comprehensive outpatient and community based recovery-focused services.

Indicator 6: ED Visits Related to Substance Abuse

This indicator measures the number of ED visits related to substance abuse disorders, per 100,000 population. A higher rate of ED visits related to substance abuse may be an indication of inadequate community resources or difficulties accessing care in the community. These ED visits can be avoided by improving access to primary care and specialized community services and supports. Individuals with these conditions who are treated in primary care are less likely to show up in the ED. More substance abuse related ED visits happening outside office hours may indicate the need for after-hour primary care services, which would be a better source of care than having patients with these conditions utilize the ED.

Indicator 7: ED Readmissions within 30 Days of Discharge from Hospital

As described by CIHI, this is the risk-adjusted rate of unplanned readmission for non-elective return to an acute care hospital for any cause that occurs within 30 days of discharge from the primary hospitalization. Urgent, unplanned readmissions to acute care facilities are increasingly being used to measure quality of care and care coordination. While not all unplanned readmissions are avoidable, interventions during and after a hospitalization can be effective in reducing readmission rates.

Indicator 8: People with Three or More Chronic Diseases

Interdisciplinary care and coordination of services is required for patients with multiple chronic conditions. This indicator tracks the proportion of patients with three or more chronic conditions which may include: asthma, congestive heart failure, COPD, dementia, diabetes, hypertension, and/or ischemic heart disease.

Indicator 9: Percentage of Influenza Vaccines for Those 65 and Over

The percentage of influenza vaccines administered annually to 65 year olds and over is an important primary health care indicator of preventive services delivered through primary health care. The data for this indicator includes immunizations delivered by community pharmacists and physicians to 65 year olds and older, in 2015/2016.

Indicator 10: Average Canadian Deprivation Index (CDI)

Estimates for the CDI are derived from the Canadian Community Health Survey (CCHS). The CDI is an individual level measure of material deprivation, based on home ownership, education, and food security in the CCHS. Values range from 1 (most well off) to 5 (most deprived). The indicator reports the percentage of the CCHS sample within the LGA, for material deprivation levels 4 & 5 of the CDI.

Indicator 11: SES Percentage of People Receiving Support, in the Population

This indicator measures the percentage of low-income earners who benefit from the prescription drug subsidy under the "Low-Income Health Benefits Program", which is a Government-sponsored supplementary health benefit programs.

Indicator 12: Life Expectancy at Birth

The life expectancy at birth correlates highly with determinants of health and is a good predictor of future health related costs. This measure is considered a significant indicator of overall population health.

Sources:

Interactive Health Data Application (IHDA), Surveillance and Assessment Branch, Alberta Health

Alberta Health Care Insurance Plan (AHCIP) Physician Claims Data, Alberta Health

Stakeholder Registry File, Alberta Health

Alberta Hospital Discharge Abstract Database (DAD), Alberta Health

Ambulatory Care Data, Alberta Health

Alberta Health Care Insurance Plan (AHCIP) Quarterly Population Registry Files, Alberta Health

Postal Code Translator File, Alberta Health

Alberta Blue Cross Claims Data, Alberta Health

Immunization and Adverse Reaction to Immunization (Imm/ARI) System, Alberta Health

Pharmaceutical Information Network (PIN), Alberta Health

Alberta Blue Cross, Publically-Funded Pharmacy Influenza Immunization Program

Notes: ¹ See Appendix A for definition.

Local Geographic Area: Cold Lake

ACCESS TO HEALTH SERVICES

Table 11.1 provides the number of ambulatory care visits or inpatient separations made by local area residents to facilities within the local geographic area as well as facilities outside of the area. The data is provided for the most recent fiscal year available.

TABLE 11.1 Ambulatory Care Visits and Inpatient Separations for the Local Geographic Area Residents

To Facilities Located In versus Out of the Local Geographic Area, Fiscal Year 2015/2016

Ambulatory Care Visits					
Visits Within Local Area of Residence (IN)	Visits Outside Local Area of Residence (OUT)	Total Visits	Percent IN	Percent OUT	
38,735	15,249	53,984	71.8%	28.2%	
Inpatient Separations (IP Sep)					
Seps Within Local Area of Residence	•	Total IP Sep	Percent IN	Percent OUT	
1,077	944	2,021	53.3%	46.7%	

Table 11.2 focuses on ambulatory care visits or inpatient separations made by local area residents to the top three accessed non-local facilities. Of particular interest is the percentage of non-local visits to, or separations from, each of the three facilities out of all non-local visits or separations. These percentages appear in the last column of the table below. The data is provided for the most recent fiscal year available.

TABLE 11.2 Top 3 Non-Local Ambulatory Care Facilities Accessed by Local Residents Fiscal Year 2015/2016

Local Residents Accessing Non-Local Ambulatory Care Facilities					
Ambulatory Care Facility Name	Facility Municipality	Facility LGA	Number of OUT Visits	% of Total OUT Visits	
University of Alberta Hospital	Edmonton	Edmonton - Bonnie Doon	4,996	32.8%	
Bonnyville Healthcare Centre	Bonnyville	Bonnyville	3,525	23.1%	
Royal Alexandra Hospital	Edmonton	Edmonton - Eastwood	2,087	13.7%	

TABLE 11.2 Top 3 Non-Local Acute Care Hospitals Accessed by Local Residents Fiscal Year 2015/2016 (continued)

Local Residents Accessing Non-Local Acute Care Hospitals					
Hospital Name	Hospital Municipality	Hospital LGA	Number of OUT IP Sep	% of Total OUT IP Sep	
Royal Alexandra Hospital	Edmonton	Edmonton - Eastwood	249	26.4%	
Bonnyville Healthcare Centre	Bonnyville	Bonnyville	216	22.9%	
University of Alberta Hospital	Edmonton	Edmonton - Bonnie Doon	187	19.8%	

Sources:

Ambulatory Care Data, Alberta Health
Alberta Hospital Discharge Abstract Database (DAD), Alberta Health
Alberta Health Care Insurance Plan (AHCIP) Annual Population Registry File, Alberta Health
Postal Code Translator File, Alberta Health

Definitions Appendix A

After-Tax Low Income Measure

In simple terms, the Low-income measure after tax (LIM-AT) is a fixed percentage (50%) of median adjusted after-tax income of households observed at the person level, where 'adjusted' indicates that a household's needs are taken into account. Adjustment for household sizes reflects the fact that a household's needs increase as the number of members increase, although not necessarily by the same proportion per additional member.

The LIMs derivation begins by calculating the 'adjusted household income' for each household by dividing household income by the square root of the number of persons in the household, otherwise known as the 'equivalence scale.' This adjusted household income is assigned to each individual in the private household, and the median of the adjusted household income (where half of all individuals will be above it and half below) is determined over the population. The LIM for a household of one person is 50% of this median, and the LIMs for other sizes of households are equal to this value multiplied by their equivalence scale.

Unlike other low income lines, LIMs do not vary by size of area of residence. (Statistics Canada) Thresholds for specific household sizes can be found at the following location: https://www12.statcan.gc.ca/nhs-enm/2011/ref/dict/table-tableau/t-3-2-eng.cfm

Age Standardization

Age standardization is a technique applied to make rates comparable across groups with different age distributions. A simple rate is defined as the number of people with a particular condition divided by the whole population. An age-standardized rate is defined as the number of people with a condition divided by the population within each age group. Standardizing (adjusting) the rate across age groups allows a more accurate comparison between populations that have different age structures. Age standardization is typically done when comparing rates across time periods, different geographic areas, and or population sub-groups (e.g. ethnic group). Direct standardization was used for all analyses in this Community Profile, where standardization applies.

Band Housing

For historical and statutory reasons, shelter occupancy on reserves does not lend itself to the usual classification by standard tenure categories. Therefore, a special category, band housing, has been created for 1991 Census products. Band housing also appears in the 1996, 2001, and 2006 Census products. In 2011, band housing appeared in the NHS Survey instead of the Census. (Statistics Canada)

Birth Rate

The birth rate is the number of live births, of a given geographic area in a given year, per 1,000 population of the same geographic area in the same year. (Statistics Canada)

Body Mass Index (BMI)

The BMI is a method of classifying body weights by health risk level, which is adopted by the World Health Organization (WHO). Guidelines were put in place by Health Canada to clearly define this index.

The BMI is computed as an individual's weight (in kilograms) divided by the square of their height (in meters). The standard BMI categories used are: underweight, normal, overweight and obese (classes I-III). For the purposes of this report, the following categories were used:

BMI Categories	ВМІ	
under weight	less than 18.50	
normal weight	18.50 to 24.99	
overweight	25.00 to 29.99	
obese	30.00 or greater	

Obesity has been linked with many chronic diseases, including hypertension, type 2 diabetes, cardiovascular disease, osteoarthritis and certain types of cancer. (Statistics Canada, Canadian Community Health Survey)

Canadian Community Health Survey (CCHS)

CCHS is a national cross-sectional survey carried out by Statistics Canada to provide estimates of health status, health care utilization, and determinants of health at the provincial health region level. Statistics Canada provides a Provincial Share file to each Ministry of Health. This file contains detailed survey responses for those participants agreeing to disclosure to the Ministry. In Alberta, the share file represents between 92% and 95% of participants in each cycle of the master file.

For more information go to the following link:

http://www23.statcan.gc.ca/imdb/p2SV.pl?Function=getSurvey&SDDS=3226

Canadian Triage and Acuity Scale (CTAS)

The CTAS is a scale to categorize patients according to the type and severity of their initial presenting signs and symptoms at the Emergency Department that helps to determine priorities for treatment. The CTAS is used to determine the triage level. There are 5 levels, with level 1 being the most urgent and level 5 the least urgent.

Triage Level 1 – Resuscitation

Patients are categorized as having conditions that are threats to life or limb (or imminent risk of deterioration) requiring immediate aggressive interventions.

<u>Triage Level 2 – Emergent</u>

Patients are categorized as having conditions that are a potential threat to life, limb or function, requiring rapid medical intervention or delegated acts.

<u>Triage Level 3 – Urgent</u>

Patients are categorized as having conditions that could potentially progress to a serious problem requiring emergency intervention. These conditions may be associated with significant discomfort or affecting ability to function at work or activities of daily living.

Triage Level 4 – Less Urgent (Semi urgent)

Patients are categorized as having conditions that are related to patient age, distress, or potential for deterioration or complications and would benefit from intervention or reassurance within 1-2 hours.

<u>Triage Level 5 – Non Urgent</u>

Patients are categorized as having conditions that may be acute but non-urgent as well as conditions which may be part of a chronic problem with or without evidence of deterioration. The investigation or interventions for some of these illnesses or injuries could be delayed or even referred to other areas of the hospital or health care system.

Triage Level 9 – Unknown

The information regarding this particular level is included in the National Ambulatory Care Reporting System Manual available through CIHI.

Census

The census is a survey that collects data from all the members of a population, whether it is people or businesses. The most common use of the term "Census" is the population Census of Canada which is taken at 5-year intervals which counts persons and households and a wide variety of characteristics. In fact, some of the Census questions are asked on a sample basis i.e. in the past every fifth household receives a long-form questionnaire asking additional questions.

For 2011, Statistics Canada did not use a mandatory long-form questionnaire as part of the census. Information previously collected by the mandatory long-form census questionnaire was collected as part of the new voluntary National Household Survey (NHS).

Collection of the NHS began within four weeks of the May 2011 Census. Approximately 4.5 million households received the NHS questionnaire.

The 2011 Census questionnaire consisted of the same eight questions that appeared on the 2006 Census short-form questionnaire, with the addition of two questions on language. (Statistics Canada)

Census Family

A family as defined by the Census includes one of the following: a married couple (with or without children of either and/or both spouses), a common-law couple (with or without children of either and/or both partners) or a lone parent of any marital status, with at least one child.

A couple may be of opposite sex or same sex. A couple family with children may be further classified as either an intact family in which all children are the biological and/or adopted children of

both married spouses or of both common-law partners, or a stepfamily with at least one biological or adopted child of only one married spouse or common-law partner and whose birth or adoption preceded the current relationship.

Stepfamilies, in turn may be classified as simple or complex. A simple stepfamily is a couple family in which all children are biological or adopted children of one, and only one, married spouse or common-law partner whose birth or adoption preceded the current relationship. A complex stepfamily is a couple family which contains at least one biological or adopted child whose birth or adoption preceded the current relationship.

These families contain children from:

- Each married spouse or common-law partner and no other children
- One married spouse or common-law partner and at least one other biological or adopted child of the couple
- Each married spouse or common-law partner and at least one other biological or adopted child of the couple. (Statistics Canada)

Chinese, n.o.s. (not otherwise specified)

The 2011 census category 'Chinese, n.o.s.' includes responses of 'Chinese' as well as all Chinese languages other than Cantonese, Mandarin, Taiwanese, Chaochow (Teochow), Fukien, Hakka and Shanghainese. (Statistics Canada)

Chronic Obstructive Pulmonary Disease (COPD)

The population aged 35 and over who reported being diagnosed by a health professional with chronic bronchitis, emphysema or COPD. (Statistics Canada, Canadian Community Health Survey)

COPD is a progressive disease that makes it hard to breathe. It can cause coughing that produces large amounts of mucus, wheezing, shortness of breath, chest tightness, and other symptoms. Cigarette smoking is the leading cause of COPD. Most people who have COPD smoke or used to smoke. Long-term exposure to other lung irritants (such as air pollution, chemical fumes, or dust) also may contribute to COPD.

Emergency Department (ED) Visit Rate

The ED visit rate is the number of visits to the emergency department divided by the total population of the local geographic area.

Family Care Clinic (FCC)

Family Care Clinics provide primary health care services, such as diagnosis and treatment of illness, immunizations, screening and links to other health services and community agencies. The clinics emphasize health promotion, disease and injury prevention, and self-management and care of chronic disease. FCCs offer extended hours of service and same day access.

Fertility Rate

The fertility rate is the number of live births per 1,000 women of reproductive age (15 - 49 years) in a population per year. This is a more standardized way to measure fertility in a population than birth rate because it accounts for the percentage of women of reproductive age. (Statistics Canada)

First Nations with Treaty Status

First Nation is a term that came into common usage in the 1970s to replace the word "Indian". First Nations refers to individuals and to communities (or reserves) and their governments (or band councils). The term arose in the 1980s and is politically significant because it implies possession of rights arising from historical occupation and use of territory. Though no Canadian legal definition of this term exists (the Constitution refers to Indians), the United Nations considers First Nations to be synonymous with indigenous peoples.

Status Indian: A First Nations person who is registered according to the Indian Act's requirements and therefore qualifies for treaty rights and benefits. Non-Status Indian: A First Nations person who is not registered under the Indian Act, for whatever reason, according to the act's requirements and therefor does not qualify for the rights and benefits given to people registered as status Indians.

Starting in 1701, the British Crown entered into solemn treaties to encourage peaceful relationships between First Nations and non-Aboriginal people. Over the next several centuries, treaties were signed to define, among other things, the respective rights of Aboriginal people and governments to use and enjoy lands that Aboriginal people traditionally occupied. The Government of Canada and the courts understand treaties between the Crown and Aboriginal people to be solemn agreements that set out promises, obligations and benefits for both parties.

(Aboriginal Affairs and Northern Development Canada 2013; Government of Alberta, Indigenous Relations, 2013)

Health Status

Health status is the level of health of the individual, group or population as subjectively assessed by the individual or by more objective measures. (Statistics Canada)

High Birth Weight

Birth weight is the body weight of a baby at its birth. High birth weight is defined as live births with a weight of 4,500 grams or more, expressed as a percentage of all live births with known weight. (Statistics Canada, Vital Statistics, Birth Database)

Hospitalization Rate

The hospitalization rate is the age-standardized rate of acute care hospitalization, per 100,000 population. (Canadian Institute for Health Information)

Infant Mortality Rate

The infant mortality rate is infants who die in the first year of life, expressed as a count and a rate per 1,000 live births. (Statistics Canada, Vital Statistics, Birth and Death Databases)

Inpatient

An inpatient is an individual who has been officially admitted to a hospital for the purpose of receiving one or more health services. (Canadian Institute for Health Information: MIS Standards 2011)

Inpatient Separations (IP Seps)

A separation from a health care facility occurs anytime a patient (or resident) leaves because of death, discharge, sign-out against medical advice, or transfer. The number of separations is the most commonly used measure of the utilization of hospital services. Separations, rather than admissions, are used because hospital abstracts for inpatient care are based on information gathered at the time of discharge.

Inuit

Inuit are the Aboriginal people of Arctic Canada. As of Sept 2010, it is estimated that about 45,000 Inuit live in 53 communities in: Nunatsiavut (Labrador); Nunavik (Quebec); Nunavut; and the Inuvialuit Settlement Region of the Northwest Territories. Each of these four Inuit groups have settled land claims. These Inuit regions cover one-third of Canada's land mass. Please note that small numbers of Inuit people can be found in various other regions of Canada other than the four regions listed above.

The word "Inuit" means "the people" in the Inuit language called, Inuktitut and is the term by which Inuit refer to themselves. (Aboriginal Affairs and Northern Development Canada)

Local Geographic Areas (LGAs)

To assist with primary health care planning, Alberta Health has developed a series of reports to provide a broad range of demographic, socio-economic, and population health statistics considered relevant to primary health care for communities across the province. Alberta Health Services divides the province into five large health service Zones, and these Zones are subdivided into smaller geographic areas called Local Geographic Areas (LGAs). These 132 LGAs reflect areas where given populations live, work and receive most day-to-day services including commercial services and health care.

LGA is defined based on the multiple characteristics listed below.

- Population density
- Distance from urban centres or major rural centres that provide a variety of services (health and non-health)
- Local knowledge about the population, industry type, municipalities, resources, infrastructure, schools, etc.
- Travel patterns of populations seeking services (health and non-health)
- Place of work and commuting behaviours.

Low Birth Weight

Birth weight is the body weight of a baby at its birth. Live births less than 5.5 pounds or 2500 grams at birth are considered as babies with low birth weight. Low birth weight is a key determinant of infant survival, health, and development. (Statistics Canada, Vital Statistics, Birth Database)

Mortality Rate by Cause of Death

The age-standardized mortality rate by cause of death is a measure of the frequency (rate) at which deaths occur in a given population due to a certain cause. The potential confounding effect of different age structures (i.e. across geographic boundaries or years) is reduced when comparing rates that have been age-adjusted. (Interactive Health Data Application, Alberta Health)

Neoplasms

A neoplasm is an unusual new growth of tissue resulted by uncontrolled production of cells. These cells do not coordinate with normal cells and may appear abnormal compared to the normal cells. The term "tumor" is used to name a neoplasm that has formed a lump. Some neoplasms do not form lumps. The neoplasms that spread to the other parts of the body are commonly known as 'Cancers'. (http://www.cancer.gov/cancertopics)

National Household Survey (NHS)

Between May and August 2011, Statistics Canada conducted the National Household Survey (NHS) for the first time. This voluntary, self-administered survey was introduced as a replacement for the long census questionnaire, more widely known as Census Form 2B. The NHS is designed to collect social and economic data about the Canadian population. The objective of the NHS is to provide data for small geographic areas and small population groups. For further details around sampling design, topics covered etc. please visit the link below: http://www12.statcan.gc.ca/nhs-enm/2011/ref/nhs-enm_guide/guide_2-eng.cfm (Statistics Canada).

Physical Activity

Physical activity is measured as the population aged 12 and over who reported a level of physical activity, based on their responses to questions about the frequency, nature and duration of their participation in leisure time physical activity. Respondents are classified as active, moderately active or inactive based on an index of average daily physical activity over the past three months.

For each leisure time physical activity engaged in by the respondent, an average daily energy expenditure is calculated by multiplying the number of times the activity was performed by the average duration of the activity by the energy cost (kilocalories per kilogram of body weight per hour) of the activity. The index is calculated as the sum of the average daily energy expenditures of all activities. Respondents are classified as follows: 3.0 kcal/kg/day or more = physically active; 1.5 to 2.9 kcal/kg/day = moderately active; less than 1.5 kcal per day = inactive. (Statistics Canada, Canadian Community Health Survey)

Prevalence Rate

Prevalence is a measure of disease that allows us to determine a person's likelihood of having a disease. Therefore, the number of prevalent cases is the total number of cases of disease existing

in a population. A prevalence rate is the total number of cases of a disease existing in a population divided by the total population. (http://www.health.ny.gov/diseases/chronic/basicstat.htm)

Primary Care

Primary care is the first point of contact that people have with the health care system for medical needs requiring treatment and referral to other services as needed and is usually provided by a family physician or other health care professional.

(https://www.pcnpmo.ca/alberta-pcns/Pages/Primary-Care.aspx)

Primary Care Networks

Primary Care Networks are groups of family doctors that work with Alberta Health Services and other health professionals to coordinate the delivery of primary health care for their patients. (http://www.pcnpmo.ca/AboutPCNs/PCNsInAlberta/Pages/default.aspx)

Private Household

A private household is a person or a group of people occupying the same dwelling and who do not have a usual place of residence elsewhere in Canada or abroad. The household universe is divided into two sub-universes on the basis of whether the household is occupying a collective dwelling or a private dwelling. The latter is a private household. (Statistics Canada)

Qualifier (comparisons between indicator values)

In comparing indicators across local geographic areas (LGAs) and the Province, this report uses qualifiers such as 'higher than', 'lower than', 'similar to', etc. These statements are based on a simple statistical comparison that determines how far apart the indicator values are on the full scale of values for the indicator. For each indicator, the standard deviation (SD) was used as the measuring stick for whether the values are "close" or "far apart". For each indicator, the distance between the LGA value and the provincial (AB) value was measured as number of SDs, and the direction of the difference (plus or minus). For example, if the LGA value is two SDs above the AB value, then the LGA value is said to be 'much higher' than the provincial value. The complete set of comparison criteria is given below.

Qualifier	Distance between values
Much Lower	below -1.5 SD
Lower	−1.5 SD <i>to</i> −0.25 SD
Similar/Comparable	−0.25 SD <i>to</i> +0.25 SD
Higher	+0.25 SD to +1.5 SD
Much Higher	+1.5 SD and higher

Separation Rate

A separation from a health care facility occurs anytime a patient (or resident) leaves because of death, discharge, sign-out against medical advice or transfer. The separation rate is the total number of inpatient separations divided by the total population.

Self-Perceived Mental Health

Perceived mental health is a general indication of the number of people in the population suffering from some form of mental disorder, mental or emotional problems or distress, not necessarily reflected in self-perceived health. This data is usually collected through surveys where respondents are asked to rate their mental health as poor, fair, good, very good or excellent. (Statistics Canada, Canadian Community Health Survey)

Sexually Transmitted Infection (STI)

A sexually transmitted infection is an infection that can be transferred from one person to another through sexual contact. (Public Health Agency of Canada)

Smoker

As defined by Statistics Canada, 'smokers' are members of the population aged 12 and older who report being a current smoker. A "daily smoker" is someone who reports smoking cigarettes every day (although it does not take into account the number of cigarettes smoked). 'Occasional smokers' refers to those who reported smoking cigarettes occasionally; this includes former daily smokers who now smoke occasionally. (Statistics Canada, Canadian Community Health Survey)

Social Determinants of Health

The social determinants of health influence the health of populations. They can include: income and social status, social support networks, education, employment/working conditions, social environments, physical environments, personal health practices and coping skills, healthy child development, gender and culture. (Statistics Canada)

Teen Birth Rate

The teenage live birth rate is the number of live births per 1,000 women aged 15 to 19. (E-STAT, Statistics Canada)

Community Services (Online Resources)

Appendix B

1. Indigenous Relations

Indigenous Services:

http://indigenous.alberta.ca/Services.cfm

This link provides a directory of services and information for First Nations, Metis and Inuit peoples in Alberta.

Health Services and Social Programs for Indigenous Peoples:

http://www.aadnc-aandc.gc.ca/eng/1461942831385/1461942892707

This link provides information on physical and mental health services, child and family services, non-insured benefits, and health and wellbeing.

• First Nation Community Profiles:

http://fnp-ppn.aandc-aadnc.gc.ca/fnp/Main/index.aspx?lang=eng

This link provides a collection of information that describes individual First Nation communities across Canada. It also allows you to quickly locate First Nation communities by consulting the interactive map: <a href="http://cippn-fnpim.aadnc-aa

• Delegated First Nation Agencies:

http://humanservices.alberta.ca/family-community/15540.html

This link provides contact information and a map of delegated First Nation agencies and societies in Alberta.

Alberta Metis Organizations:

http://indigenous.alberta.ca/Metis-Relations.cfm

This link provides information on Metis communities and organizations in Alberta.

2. Education

Alberta Education and Training:

http://www.learnalberta.ca/content/mychildslearning/index.html

This link provides resources on the variety of educational choices, curriculum and related information available for children from Kindergarten to Grade 12.

Future Ready:

https://www.alberta.ca/future-ready.aspx

This link provides resources on Alberta's integrated approach to education, skills and training.

Local Resources:

Find a directory of your local schools and school boards:

https://education.alberta.ca/alberta-education/school-authority-index/?searchMode=3

This link provides a list of school authorities and associated public, private, francophone and early childhood services – school authorities are listed in alphabetical order.

3. Employment

Career Planning and Support Programs:

https://www.alberta.ca/career-planning.aspx

This link provides information on guidance and resources for career planning and advancement.

• Career Planning, Education, Jobs:

http://alis.alberta.ca/index.html

This link provides resources for finding a job, including career planning, training and development, job search and career information. It also provides links to educational resources.

- Local Resources:
 - Find your local employment resources:

http://humanservices.alberta.ca/services-near-you/11959.html

This link provides employment, training and career services by region. Each region links to a comprehensive list of office locations, job fairs and service directories.

4. Family and Children

Financial, Family and Social Supports

https://www.alberta.ca/financial-family-social-supports.aspx

This link provides information on financial assistance and support programs for individuals and families.

Children and Family Services:

http://humanservices.alberta.ca/family-community.html

This link provides links to programs and services that support families and communities; it provides information on child care, parenting, women's issues, youth programs, safer communities, and family community support services.

Programs and Services for Parents:

http://www.humanservices.alberta.ca/family-community/child-care-resources-for-parents.html

This link provides resources for parents on childcare programs.

Programs and Services for Youth:

http://www.humanservices.alberta.ca/abuse-bullying.html

This link provides resources on family and community safety including information on bullying, internet safety, and healthy relationships.

5. Housing

Housing and Property:

http://www.programs.alberta.ca/Living/6345.aspx?N=770+599

This link provides information on housing and property in Alberta, including information for tenants and landlords.

Housing and Rent Assistance:

https://www.alberta.ca/housing-rent-assistance.aspx

This link provides information on assistance for low-income Albertans to find safe and affordable places to live.

Local Resources:

Find your local housing programs and services:

http://www.programs.alberta.ca/Living/13810.aspx?Ns=13705+13711+13738&N=77

 $\underline{0}$ This link provides information on condominiums, landlords and tenants, and rent and rental properties.

Find your local homeless support resources:

https://www.alberta.ca/homelessness.aspx

This link provides information on initiatives in Alberta that focus on the prevention and reduction of adult and youth homelessness in the province. It also provides information on shelters and personal identification cards for those experiencing homelessness.

http://humanservices.alberta.ca/homelessness/16050.html

This link provides information on funding provided to the Outreach Support Services Initiative and the Addiction and Mental Health Strategy in the communities of Calgary, Edmonton, Grande Prairie, Fort McMurray, Red Deer, Lethbridge and Medicine Hat.

6. Seniors

Alberta Seniors:

http://www.seniors.alberta.ca/

This link provides information and links to the different programs and services supporting seniors in Alberta.

Seniors Financial Assistance Programs:

https://www.alberta.ca/seniors-financial-assistance.aspx

This link provides information on a variety of seniors programs including financial assistance, dental and optical assistance, hope adaptation and repair, property tax deferral and special needs assistance.

7. Social Services

Alberta Supports:

https://www.alberta.ca/alberta-supports.aspx

This link helps individuals find and apply for family and social supports.

Alberta Community and Social Services:

http://humanservices.alberta.ca/programs-and-services.html

This link provides a portal to the variety of programs and services provided by Alberta Human Services. Human Services has developed a resource list:

http://www.humanservices.alberta.ca/documents/fscd-resource-list.pdf

• Service Delivery Offices:

http://humanservices.alberta.ca/services.html

This link provides a link to help you locate, among others, your local Service delivery offices, Alberta Works Centres, Child and Family Services Authorities and Employment Services.

• Alberta Food Bank Network Association:

http://foodbanksalberta.ca/food-banks/

This link provides contact information for Food Banks across Alberta.

Programs and Services for Low-Income Earners:

http://www.humanservices.alberta.ca/financial-support/3171.html

This link contains information about Alberta Works and other social assistance programs for low-income earners.

Local Services:

To find other local community and social services in your area:

• Find local services through this province-wide service directory of community, health, social and government services:

http://www.informalberta.ca/public/common/index_ClearSearch.do

• 24 hour information and referral service:

http://ab.211.ca/homepage

Telephone: 211

Toll-free Edmonton – Alberta North: 1888-482-4696 and Calgary – Central

Alberta and Alberta South: 1-855-266-1605.

Health Link Alberta Calls for North Zone

Appendix C

The following listing shows the town/city, number of calls and percentage where the zone was coded as North (including calls from the Mental Health Helpline). Records where the town/city is unknown or where the caller chose not to give demographic information are excluded. The listing is sorted alphabetically by Town/City in ascending order.

Calls by Town/City for the Fiscal Year 2013/2014

Town/City	# of Calls	%
Abee	11	0.0%
Alberta Beach	374	0.7%
Anzac	80	0.1%
Ardmore	95	0.2%
Ashmont	52	0.1%
Athabasca	648	1.2%
Atikameg	204	0.4%
Atmore	33	0.1%
Barrhead	690	1.2%
Bay Tree	15	0.0%
Bear Canyon	3	0.0%
Beaverlodge	518	0.9%
Bellis	32	0.1%
Berwyn	64	0.1%
Bezanson	92	0.2%
Bloomsbury	9	0.0%
Blue Ridge	87	0.2%
Blueberry	7	0.0%
Mountain		
Bluesky	37	0.1%
Bonanza	27	0.0%
Bonnyville	1,161	2.1%
Boyle	278	0.5%
Boyne Lake	11	0.0%
Breynat	7	0.0%
Brownvale	57	0.1%
Brule	13	0.0%
Buffalo Head	38	0.1%
Prairie		
Busby	109	0.2%
Cadomin	6	0.0%
Cadotte Lake	116	0.2%
Calais	25	0.0%
Calling Lake	110	0.2%
Camp Creek	16	0.0%
Canyon Creek	54	0.1%
Carrot Creek	25	0.0%

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Town/City	# of Calls	%
Caslan	127	0.2%
Chard	139	0.3%
Chateh	163	0.3%
Cherry Grove	76	0.1%
Cherry Point	4	0.0%
Chisholm Mills	3	0.0%
Clairmont	386	0.7%
Cleardale	46	0.1%
Clyde	76	0.1%
Cold Lake	2,377	4.3%
Colinton	71	0.1%
Conklin	52	0.1%
County of Barrhead	18	0.0%
County of Grand	732	1.3%
Crooked Creek	74	0.1%
Dapp	38	0.1%
Darwell	121	0.2%
Deadwood	13	0.0%
Debolt	93	0.2%
Demmitt	13	0.0%
Dixonville	44	0.1%
Donnelly	65	0.1%
Driftpile	71	0.1%
Eaglesham	16	0.0%
Edson	1,211	2.2%
Egremont	9	0.0%
Elk Point	268	0.5%
Ellscott	10	0.0%
Elmworth	13	0.0%
Enilda	51	0.1%
Eureka River	11	0.0%
Fairview	316	0.6%
Falher	161	0.3%
Faust	53	0.1%
Fawcett	38	0.1%

Health Link Alberta Calls for North Zone (Continued)

Town/City	# of Calls	%
Flatbush	15	0.0%
Foisy	15	0.0%
Fort Assiniboine	72	0.1%
Fort Chipewyan	1,587	2.9%
Fort Kent	50	0.1%
Fort Mackay	130	0.2%
Fort McMurray	10,148	18.4%
Fort Vermilion	399	0.7%
Fox Creek	191	0.3%
Fox Lake	33	0.1%
Frog Lake	208	0.4%
Garden River	7	0.0%
Gift Lake	90	0.2%
Girouxville	70	0.1%
Glendon	191	0.3%
Glenevis	194	0.4%
Goodfare	10	0.0%
Goodfish Lake	209	0.4%
Goodridge	4	0.0%
Gordondale	16	0.0%
Grande Cache	191	0.3%
Grande Prairie	9,582	17.3%
Grassland	26	0.0%
Grimshaw	335	0.6%
Grouard	123	0.2%
Grovedale	152	0.3%
Gundy	1	0.0%
Gunn	135	0.2%
Guy	7	0.0%
Heinsburg	40	0.1%
High Level	846	1.5%
High Prairie	787	1.4%
Hines Creek	96	0.2%
Hinton	898	1.6%
Hondo	15	0.0%
Hotchkiss	9	0.0%
Hylo	37	0.1%
Hythe	284	0.5%
Iron River	39	0.1%
Island Lake	7	0.0%
Island Lake South	1	0.0%
Jarvie	32	0.1%
Jasper	332	0.6%
Jean Cote	11	0.0%
John d'Or Prairie	149	0.3%

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Town/City	# of Calls	%
Joussard	57	0.1%
Keg River	31	0.1%
Kehewin	117	0.2%
Kikino	27	0.0%
Kinuso	137	0.2%
La Corey	24	0.0%
La Crete	956	1.7%
La Glace	81	0.1%
Lac la Biche	1,054	1.9%
Lac Ste. Anne C	37	0.1%
Lafond	27	0.0%
Lake Isle	41	0.1%
Lindbergh	5	0.0%
Little Smoky	20	0.0%
Lone Pine	4	0.0%
Mallaig	48	0.1%
Manning	150	0.3%
Marie Reine	10	0.0%
Marlboro	7	0.0%
Mayerthorpe	264	0.5%
McLennan	111	0.2%
McRae	27	0.0%
Md of Bonnyville	1	0.0%
Meander River	69	0.1%
Nampa	100	0.2%
Neerlandia	41	0.1%
Nestow	11	0.0%
Newbrook	52	0.1%
Niton Junction	102	0.2%
North Star	3	0.0%
Northern Sunris	1	0.0%
Notikewin	2	0.0%
Onoway	582	1.1%
Opal	11	0.0%
Paddle Prairie	67	0.1%
Peace River	1,163	2.1%
Peerless Lake	56	0.1%
Peers	16	0.0%
Perryvale	18	0.0%
Pickardville	82	0.1%
Plamondon	215	0.4%
Radway	29	0.1%
Rainbow Lake	149	0.3%
Red Earth Creek	188	0.3%
Robb	9	0.0%

Health Link Alberta Calls for North Zone (Continued)

Town/City	# of Calls	%
Rochester	67	0.1%
Rochfort Bridge	11	0.0%
Rycroft	77	0.1%
Saddle Lake	401	0.7%
Sangudo	91	0.2%
Sexsmith	606	1.1%
Silver Valley	21	0.0%
Slave Lake	1,112	2.0%
Smith	55	0.1%
Smoky Lake	205	0.4%
South Baptiste	5	0.0%
Spedden	28	0.1%
Spirit River	163	0.3%
Sputinow	44	0.1%
St Brides	60	0.1%
St Isidore	86	0.2%
St Lina	50	0.1%
St Paul	972	1.8%
St Vincent	52	0.1%
Sunset Beach	2	0.0%
Sunset House	15	0.0%
Swan Hills	116	0.2%
Tangent	41	0.1%
Tawatinaw	8	0.0%
Thorhild	163	0.3%
Tiger Lily	13	0.0%

Town/City	# of Calls	%
Trout Lake	125	0.2%
Valhalla Centre	34	0.1%
Valleyview	494	0.9%
Vega	19	0.0%
Vilna	93	0.2%
Vimy	114	0.2%
Wabasca	565	1.0%
Wandering River	42	0.1%
Wanham	41	0.1%
Warspite	11	0.0%
Waskatenau	74	0.1%
Watino	4	0.0%
Wembley	406	0.7%
West Cove	3	0.0%
Westlock	710	1.3%
Westlock County	2	0.0%
Whispering Hill	17	0.0%
White Gull	3	0.0%
Whitecourt	1,461	2.6%
Whitelaw	22	0.0%
Widewater	45	0.1%
Woking	41	0.1%
Worsley	63	0.1%
Yellowhead County	363	0.7%
Zama City	2	0.0%
Total	55,257	100.0%

Source:

Health Link Alberta, Alberta Health Services

Select Health Services in Local Geographic Area

Appendix D

Cold Lake

Active Treatment Hospitals

Designated Service Type	Name	Address
Community Hospital, Full Service Hospital	Cold Lake Healthcare Centre	314 25 Street, Cold Lake, T9M1G6

Source:

Alberta Health, January 2017

Note:

Active Treatment Hospitals refers to: Tertiary, Referral Care Hospitals; Specialty Care Pediatric Hospitals; Specialty Care Rehabilitation Hospitals; Specialty Care Cancer Hospitals; Regional Referral, Secondary Level Care Hospitals; Community Hospital, Full Service Hospitals; Community Hospital, Moderate to Basic Services Hospitals; and, Designated Ambulatory Care Hospitals.

Community Ambulatory Care Centres

There are no Community Ambulatory Care Centres in this Local Geographic Area

Source:

Alberta Health, January 2017

Note:

Community Ambulatory Care Centres refers to: Urgent Care Centres; and, Basic Community Ambulatory Care Clinics.

Mental Health Facilities

Facility Type	Name	Address
Addiction Community Centre	Cold Lake Area Office	5013 51 Street, Cold Lake, T9M1P3
Community Mental Health Clinic	Cold Lake Mental Health Clinic	Cold Lake Health Centre, Suite 208, 314 25 St, Cold Lake, T9M1G6

Source:

Alberta Health, January 2017

Note:

Mental Health Facilities refers to: Addiction Community Centres; Addiction Residential and/or Detox Centres; Community Mental Health Clinics; and, Mental Health (Psychiatric) Facilities.

Diagnostic Imaging Centres

Name	Address
CGA Medical Imaging Inc Cold Lake	#101, 2012 - 8 Avenue, Cold Lake, T9M1C2
Cold Lake Healthcare Centre	314 25th St, Cold Lake, T9M1G6

Source:

Alberta Health, January 2017

Community Pharmacies

Name	Address
Forbes Pharmacy	101, 5016 50 Avenue, Cold Lake, T9M0L1
Grand Centre Value Drug Mart	206, 6503 51 Street, Cold Lake, T9M1C8
Marina Mall Value Drug Mart	4-901 10 St, Cold Lake, T9M1N2
Shoppers Drug Mart #2310	6203 A 51 Street, Cold Lake, T9M1Z9
Wal-Mart Pharmacy #3640	4702 43 Avenue, Cold Lake, T9M1M9

Source:

Alberta Health, January 2017

Medical Laboratories

Name	Address
Cold Lake Health Centre	314 25th St, Cold Lake, T9M1G6

Source:

Alberta Health, January 2017

Long Term Care Accommodation

Name	Address
Cold Lake Healthcare Centre	314 25 Street, Cold Lake, T9M1G6

Source:

Alberta Health, January 2017

Supportive Living Accommodation

Accommodation Type	Name	Address
Lodge	Cold Lake Senior Citizens Lodge	303 12 Street, Cold Lake, T9M1B9
Assisted Living Accommodation	Points West Living Cold Lake Inc.	512 25 Street, Cold Lake, T9M1G6

Source:

Alberta Health, January 2017

Note:

Supportive Living Accommodation refers to: Assisted Living Accommodation; Group Homes; and, Lodges.

Family Physician Offices

Name	Address
Ageless Living	Suite 103, 5014 50 Avenue, Cold Lake, T9M0L1
Aurora Medical Clinic	Suite 101, 5014 50 Avenue, Cold Lake, T9M0L1
Botha Andre Dr	Marina Mall Bay 8, Cold Lake, T9M1J9
Cold Lake First Nations Health Center	North East 4-2-62-4, Cold Lake, T9M1N1
Cold Lake Primary Care Network	Suite 202, 314 25 Street, Cold Lake, T9M1G6
Lakeland Medical Clinic	Suite 206, 314 25 Street, Cold Lake, T9M1G6
Merit Medical Clinic	Suite 205, 314 25 Street, Cold Lake, T9M1G6

Sources:

Delivery Site Registry, Alberta Health, January 2017 Physican Claims, Alberta Health, 2015/2016 and Q1-Q3 2016/2017

Note:

The family physician office information is based on available Delivery Site Registry data (as of the extract date), which in turn, is based on information provided by the College of Physicians and Surgeons of Alberta. Only physician offices with at least one claim reported during 2015/2016 or 2016/2017 (Q1-Q3) are included. For the most up to date information go to www.albertanetcare.ca/learningcentre/Delivery-Site-Registry.htm