City of
Cold Lake

CITY OF COLD LAKE MUNICIPAL CENSUS 2022 REPORT

PREPARED BY:

◯ PIVOTAL RESEARCH Inc.™

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Key Findings - Cold Lake Overview

The following key findings contain results from both enumerated and forecasted population counts:
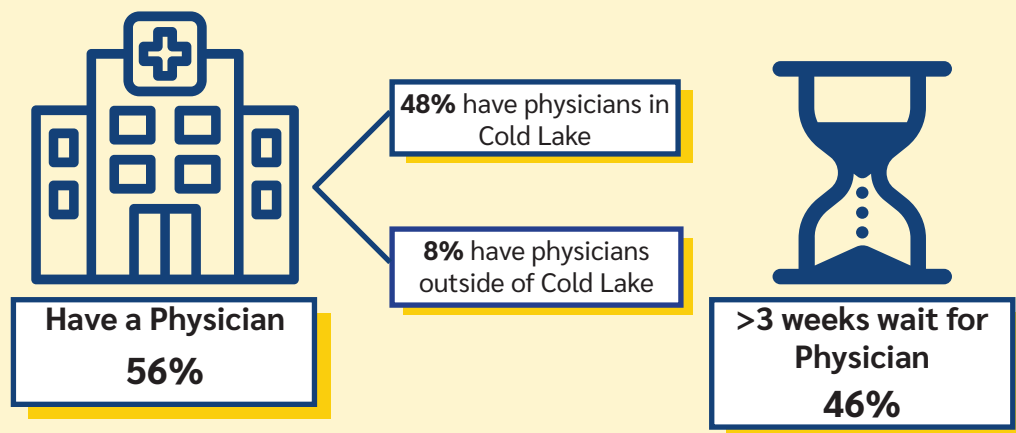
- The City of Cold Lake added 641 residents since the 2021 federal census.

- The City of Cold Lake's total population is 16,302.

- Cold Lake North has the largest population, accounting for 8,016 residents. Cold Lake South has 6,970 residents, and 4-Wing has 1,316 residents.

- The City of Cold Lake total dwelling count is 6,778. The 2021 federal census dwelling count was 6,767.

- The largest number of dwellings is in Cold Lake North, accounting for 47% of dwellings in Cold Lake.

- The overall average number of residents per dwelling is 2.55.

- The 30-34 age group is the largest population segment, accounting for 10% of the population.

- The federal government sector employs 17% of residents.

- 27% of employed residents work in Cold Lake South.

2022 Population	Dwelling Count
16,302	**6,778**

Male	Female	Other/Prefer not to answer
50%	**48%**	**2%**
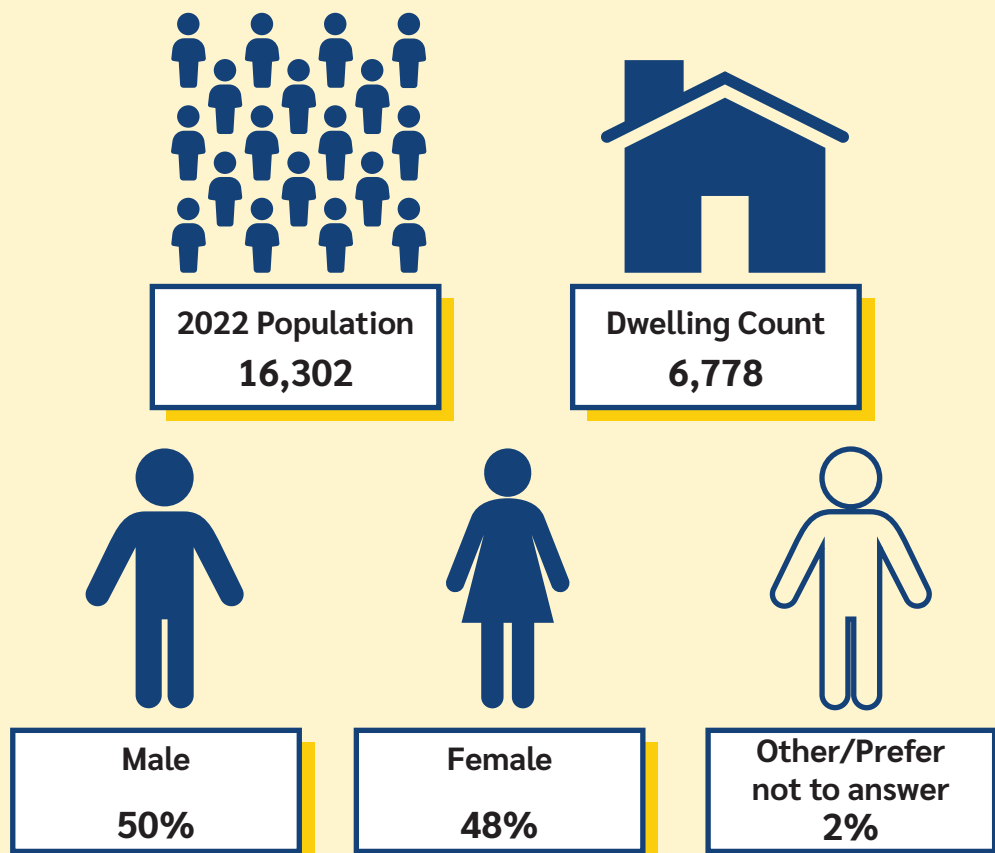
Key Findings - Cold Lake Overview

The following key findings on physician access are based solely on the 2022 Municipal census.

- 48% of the population have a family physician in the Municipality. 8% of residents have a family physician outside of the Municipality boundaries. This leaves 6,504 Cold Lake residents (40%) without a family physician. This includes a significant portion of residents aged 25-29 (58% of the 25-29 age cohort do not have a family physician).

- 40% of residents had to wait either 3-4 weeks or over 1 month to see their family physician in Cold Lake. Only 18% of residents were able to see their family physician within 1 week. 6% of residents reported waiting over 3 months and 4% reported that they were unable to obtain an appointment.

- From the 7,889 residents who reported that they do not have a family physician in the Municipal boundaries of Cold Lake or at all, 3,134 (40%) residents have tried to get a family physician in Cold Lake without success. The main reason that residents reported they were unable to secure a family physician was because no doctors were accepting new patients. Of note, 50% of residents in the 70-74 age group attempted to find a doctor in Cold Lake, but they were not accepting new patients.

- 54% of all residents did not travel outside of Cold Lake for medical treatment other than physician appointments over the last 3 years. 36% of residents have travelled outside of Cold Lake for medical treatment (other than physician appointments) in the last three (3) years because Cold Lake did not have the specialized medical services/professionals that they need. This includes 52% of residents in the 79 age group that had to travel outside of Cold Lake for specialized medical services/ professionals.

48% have physicians in Cold Lake

8% have physicians outside of Cold Lake

Have a Physician
56%

>3 weeks wait for Physician
46%

Census Results

Background

The Municipal Government Act provides municipalities with the ability to conduct a census to better understand the size and composition of its population. Cold Lake's last Municipal census was conducted in 2014 and the census in 2022 was conducted to provide a more accurate representation of current residents in Cold Lake. This report presents an overview of the results of the 2022 census that was conducted between May 2nd and June 22nd, 2022.

Through the 2022 census, the City of Cold Lake was able to gain a better understanding of physician access within the Cold Lake region. Lack of consistent and accessible medical care has large impacts on the quality of life of Cold Lake residents. To eliminate issues stemming from physician access for residents, the results presented in this report are crucial for potential opportunities as they provide quantitative research to understand the scale of the issue.

Data collection methodologies

The 2022 Municipal census was conducted between May 2nd and June 22nd, with May 2nd used as a reference date on the census form. Two stages of data collection were completed, including self-enumeration and door-to-door enumeration.

Self-Enumeration (online)

Online self-enumeration was the only method available between May 2nd and May 15th for residents of Cold Lake. The online self-enumeration period started on May 2nd and remained available throughout the census data collection period from May 2nd to June 22nd. Invitations to self-enumerate were dropped off to all addresses listed on the City of Cold Lake's database. The invitation included the online census form weblink along with a custom quick response (QR) code. To prevent multiple submissions per dwelling, invitations contained a unique Personal Identification Number (PIN) that residents entered at the beginning of the online census form.

Dwelling addresses consisted of single detached homes, duplexes/multiplexes, secondary suites, apartments, 4-Wing barracks and senior home facilities. All dwelling addresses were verified by the City of Cold Lake's database before invitations were distributed.

The development of the online census form was a collaborative effort by Pivotal Research Inc. (Pivotal Research) and The City of Cold Lake. Pivotal Research provided census coding (census instrument development), and testing. The final version of the census form is available in the Appendix.

The City of Cold Lake utilized promotion tools to encourage participation for online self-enumeration. Residents were notified of drop-in sessions, a resident census hotline was set up, promotional materials were advertised and mailed out, and incentives were provided through census draws. Notification and promotion of the census included advertisements on City transit, radio, newspapers, digital community board, social media, podcast and local news avenues. Overall, 48% of dwellings completed their census forms during the online self-enumeration stage prior to commencing door-to-door enumeration. The City of Cold Lake also provided residents with the option of completing their municipal census over the phone with the City of Cold Lake Census Hotline.

Door-to-Door Enumeration

Door to door enumeration took place between May 16th and June 22nd, 38% of dwellings were enumerated during this period.

Data collection was undertaken relying on tablets enabled with GIS mapping software. Dwelling locations were imported into the software and strategic routes were created and assigned to enumerators.
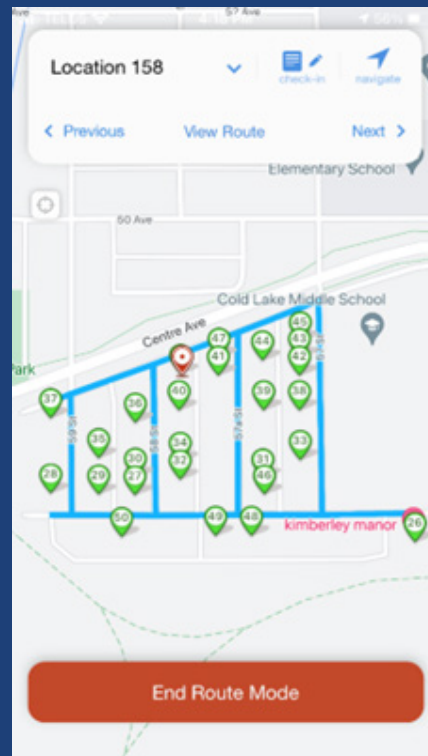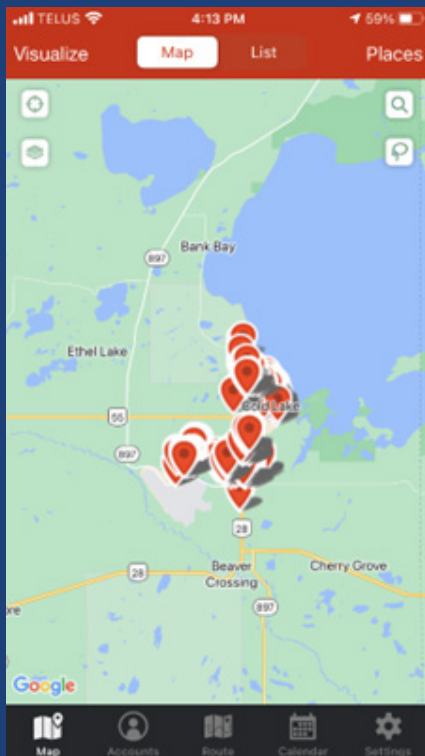
All data collection was led by the City of Cold Lake. The software product and related hardware was supplied by Pivotal Research.

Training

On May 13, 2022, Pivotal Research team members conducted in-person enumerator training at the City of Cold Lake City Hall. Tablets were distributed to enumerators and City of Cold Lake staff. Enumerator training included: the data collection process, software navigation and specifications, frequently asked questions (FAQ), troubleshooting, and unique scenarios faced at the door. An on-site live demonstration was performed to showcase the step-by-step process of enumeration.

City of Cold Lake staff conducted additional training sessions with each enumerator prior to the enumerators commencing data collection door-to-door. Training included safety precautions, reporting expectations, and additional training on how to use tablets.

Enumeration

Enumerators visited dwellings and invited residents to complete the online census form. Residents were able to pick one of three options:

1. complete the census with the enumerator,

2. receive their PIN codes and complete it on their own time, or

3. refuse.

Residents who were not at home, or did not answer the door, received a drop-off bag that included a postcard with the online census form link and their unique PIN. Enumerators conducted multiple visits to these locations to complete the census.

The Pivotal Research team updated the GIS mapping software daily to remove dwellings with completed submissions. This process ensured enumerators were only visiting dwellings with incomplete submissions. Ongoing technical support was provided throughout the duration of this stage.

Quality Assurance

All dwelling addresses enumerated in the 2022 Municipal census were verified by two distinct methods. The City of Cold Lake had an existing GIS mapping software that contained dwelling locations. Addresses were exported from this software and City of Cold Lake staff physically visited each location to verify the type of dwelling and occupancy status.

To ensure accuracy and integrity of the data collected in the census, the form included an option to provide contact information. In accordance with Alberta Municipal Affairs' Municipal Census Manual, quality assurance includes connecting with 365 respondents to verify the data. The City of Cold Lake adhered to the manual and called 365 residents who verified their census responses. No issues were found.

Forecasting Methodology

Successful enumeration accounted for 86% of dwellings in the City of Cold Lake. Overall, 941 dwellings, representing 14% of the total dwelling count, were not enumerated. Pivotal Research applied a forecast model to determine the total number of residents in the outstanding dwellings. Results in this report contain forecasted numbers[1]. The forecasting methodology is described below.

All dwellings in Cold Lake received invitations to participate in the 2022 Municipal census during the online self-enumeration stage and door-to-door enumeration stage. Enumerators during the door-to-door process faced various scenarios where enumeration could not be completed: unsafe dwellings, residents' refusal to participate, and absence of residents from the dwelling. Residents absent during enumeration visits were left a postcard with details on how to self-enumerate online and were followed up with additional visits.

The model used the average number of residents per type of dwelling. To specify the data further, dwellings were categorized into the following three types[2]: apartments/condos, secondary suites, and single units. The average of each dwelling type was calculated by dividing the enumerated population count over the enumerated dwelling count. The forecasted population per section was estimated by multiplying the average by the outstanding dwelling count per type. Raw data tables used for calculations are in the Appendix.

Table 1. Dwelling type averages

Dwelling Type	Average (residents per dwelling)
Single units	3
Secondary suites	2
Apartments/Condos	2

Table 1 outlines the dwelling types with the associated average number of people per dwelling. Using this model, we determined that 2,243 residents were unaccounted for in the enumeration process. The total population for the City of Cold Lake in the 2022 Municipal census is 16,302.

[1] Census results including age, gender, employment, and physician access data was forecasted based on the forecasted population determined. A linear forecast was used. Percentages and total count may not add up to 100% or 16,302 (total population) due to rounding.

[2] Apartments/condos and secondary suites were categorized based on address descriptions provided by the City of Cold Lake. Single units pertain to detached homes, townhomes, duplex, multiplex, etc. All vacant homes are assumed to be accounted for during the enumeration process and were not included in the forecasting model dataset. All collective dwellings including senior home facilities and the 4 Wing barracks were not included in the forecast model because data was collected as an overall communal space and would skew the average number of residents per dwelling.

Results and Tabulation

Population and Dwelling Count

Population Count

The total population in the City of Cold Lake on May 2, 2022, was 16,302. The City of Cold Lake added 641 residents since the 2021 federal census. This is a 4% increase in population.

Table 2. Cross tabulation of population count and City of Cold Lake's regions

	City of Cold Lake Region		
	4-Wing	North	South
Total Population	1,316	8,016	6,970

Table 2 outlines the total population by region. The City of Cold Lake's North region has the highest (8,016) population count.

Map of Cold Lake Regions
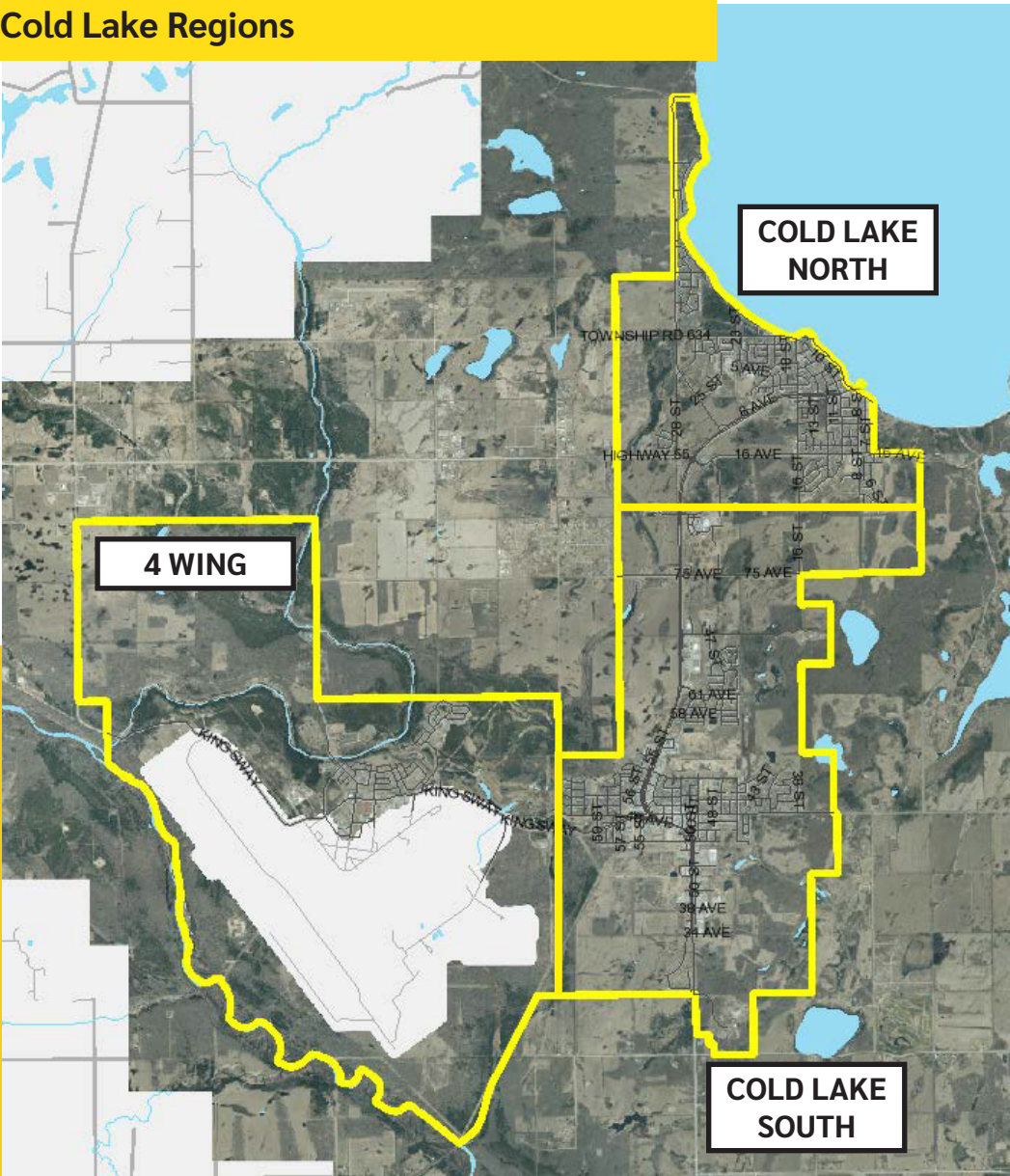
Dwelling Count

The total number of dwellings in the City of Cold Lake on May 2, 2022 was 6,778. Dwelling count includes occupied dwellings and vacant dwellings*.

*Vacant dwellings were categorized and verified by the City of Cold Lake.

Figure 1. Number of resident(s) in dwellings
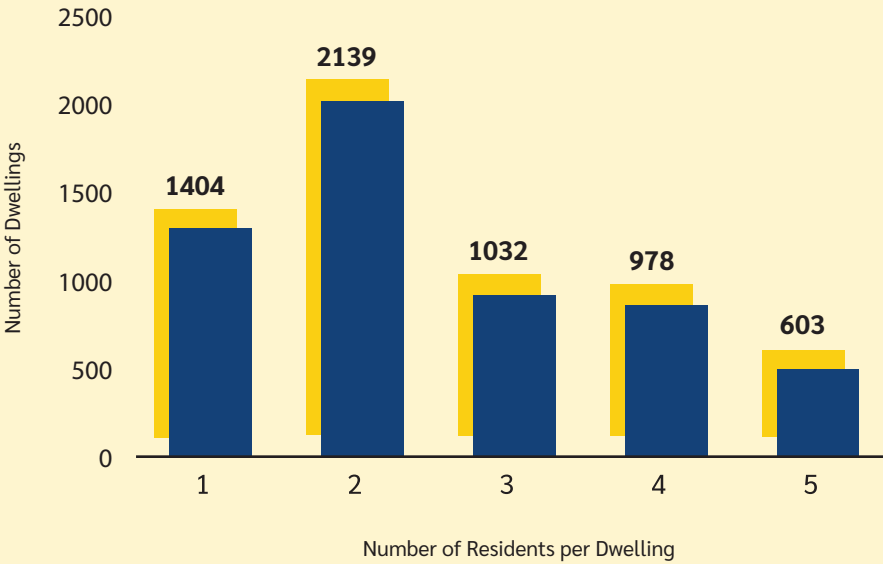
Figure 1 depicts results from question one of the 2022 Municipal census form, where each household was asked to report the number of residents in their respective dwelling*. The results indicate that the largest portion (35%, 2,139 dwellings) of dwellings have two residents. Next, at 23% (1,404 dwellings), are those with 1 resident per dwelling.

*All collective dwellings, including Senior home facilities and 4 Wing barracks, are not represented in Figure 1 results because data was collected as an overall communal space.

Table 3. Cross Tabulation of dwelling types and City of Cold Lake regions

Dwelling Type	4-Wing	North	South
Communal Units			
Barrack 2	1	-	-
Barrack 3	1	-	-
Barrack 4	1	-	-
Cold Lake Healthcare Centre (Senior home)	-	1	-
Cold Lake Seniors Lodge (Senior home)	-	1	-
Points West Living (Senior home)	-	1	-
Non-Communal Units			
Detached homes, townhomes, duplex/multiplex, apartments/condos, and secondary suites	720	3,206	2,846
Total	**723**	**3,209**	**2,846**

Table 3 outlines the number of total dwellings in Cold Lake's regions. All barracks are located on 4-Wing and all senior home facilities are located in Cold Lake North. The largest amount (47%) of dwellings is in Cold Lake North.

Age and Gender

The following section reviews age and gender distributions within Cold Lake. The response "prefer not to answer" also includes residents of the communal/collective dwellings that were accounted for but not fully enumerated.

Age

Figure 2. Number of residents per age group
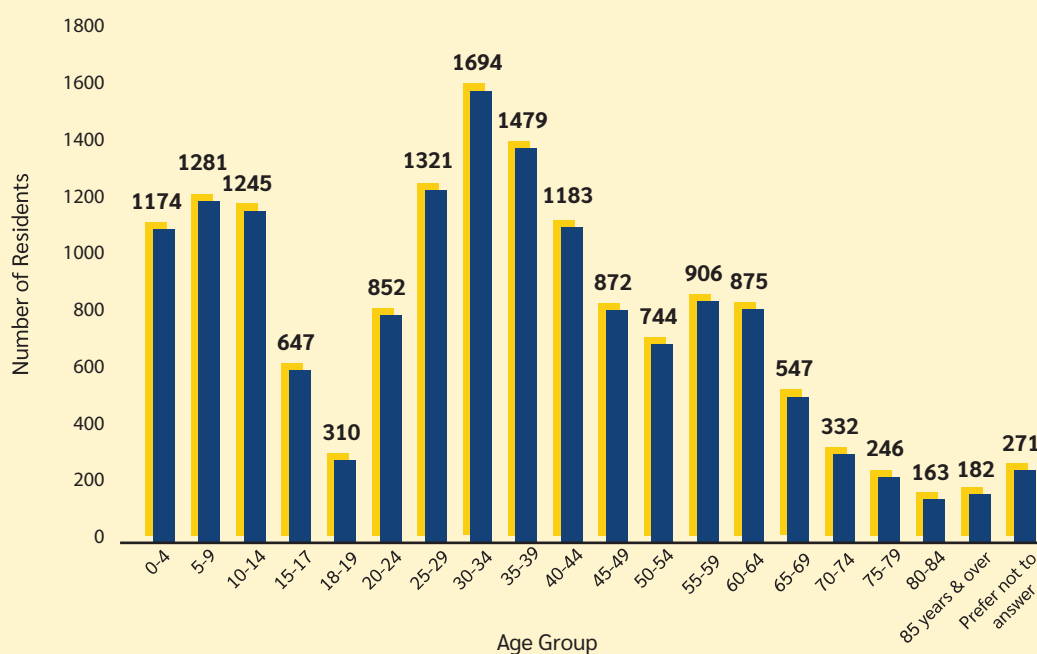
Figure 2 illustrates the number of residents per age group. The median age group is the 30-34 age group. The population distribution shows the City has a young population, with 28% between the ages of 25-39. The largest (10%, 1,694 residents) population cohort is the 30-34 age group. The next largest groups are the 35-39 age group (9%, 1,479 residents) and 25-29 age group (8%, 1,321 residents). The smallest (1%, 163 residents) population cohort is the 80-84 age group. Senior (65 years & older) residents account for 9% (1,470 residents) of the population. Children (17 years and younger) account for 27% (4,347 residents) of the population.

Gender

Figure 3. Number of residents per gender group

8,180	Male
7,774	Female
36	Other
332	Perfer not to answer
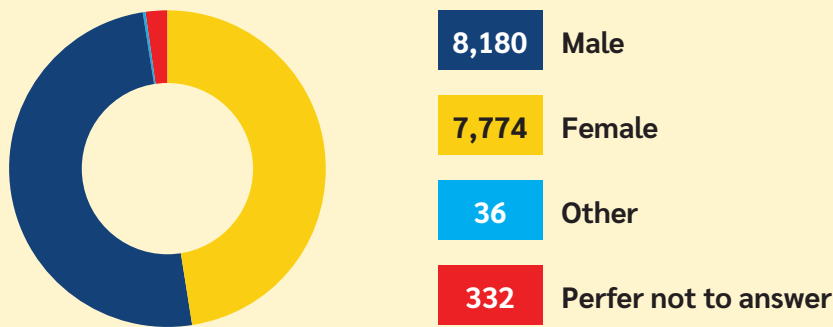
Figure 3 depicts the gender distribution. There are more males (50%) than females (48%) residing in Cold Lake.

Age & Gender Cross Tabulations

Table 4. Age and gender cross tabulation

Age Group	Female	Male	Other	Prefer not to answer
0-17	2111	2194	7	34
18-19	134	171	3	2
20-24	382	459	6	6
25-29	605	698	5	14
30-34	810	865	8	10
35-39	682	786	2	9
40-44	593	584	1	5
45-49	431	439	0	2
50-54	377	362	0	5
55-59	441	461	2	1
60-64	421	453	0	1
65 years and over	774	687	0	8
Prefer not to answer	13	22	1	235

Table 4 outlines the number of males, females, and other gender in each age group. Female seniors (65 years & over) account for 10% of female residents and male seniors account for 8% of male residents. Female children (17 years and younger) account for 27% of female residents while male children account for 27% of male residents. Excluding the children cohort, the 30-34 age group contains the largest percentage of male and female residents, at 11% and 10%, respectively.

Cold Lake Region Cross Tabulation

Table 5. Cross tabulation of age groups and Cold Lake's regions

Age Group	4-Wing	North	South
0-17	262	2157	1926
18-19	19	163	129
20-24	136	367	349
25-29	266	575	481
30-34	214	835	646
35-39	107	695	677
40-44	67	585	531
45-49	41	416	416
50-54	33	402	310
55-59	27	479	399
60-64	3	496	376
65 years & older	2	792	676
Prefer not to answer	142	65	64

Table 5 outlines the distribution of residents per age group in Cold Lake's regions. The largest (20%) age group in the 4-Wing is the 25-29 cohort. The largest age group excluding children (17 years and younger) in Cold Lake North is the 30-34 cohort at 10%. In Cold Lake South, the largest group excluding children is the 35-39 cohort at 10%.

Senior (65 years & older) residents account for 10% of Cold Lake North population and 10% of Cold Lake South population. Only 0.2% of the 4-Wing population are senior residents. Children account for 27% of Cold Lake North population and 28% of Cold Lake South population. Children in the 4-Wing account for 20% of the population.

Table 6. Cross tabulation of gender and Cold Lake's regions

Gender	4-Wing	North	South
Female	464	3959	3351
Male	695	3965	3520
Other	2	15	19
Prefer not to answer	156	87	89

Table 6 outlines the distribution of gender groups in Cold Lake's regions. The majority (53%) of residents in the 4-Wing are male. The largest (49%) gender group in Cold Lake North are males. Majority (50%) of residents in Cold Lake South are males.

Employment

Table 7. Percent of residents per employment type

Employment Type	Percent of Residents
Federal Government	17%
Oil & Gas	14%
Retired	14%
Wholesale/ Retail Sales & Services	7%
Education Services	5%
Unemployed	5%
Self-employed	4%
Student (Secondary)	4%
Hotel/ Food Services	3%
Homemaker	3%
Construction	3%
Provincial Government	3%
Student (Post- Secondary)	2%
Municipal Government	2%
Transportation	1%
Financial Institution	1%
Agriculture or Related Field	0.2%
Other	9%
Prefer not to answer	3%

Table 7 shows the distribution of residents by employment type. The largest portion (17%) of residents work in the Federal Government sector. The second largest (14%) employment type is the Oil & Gas industry.

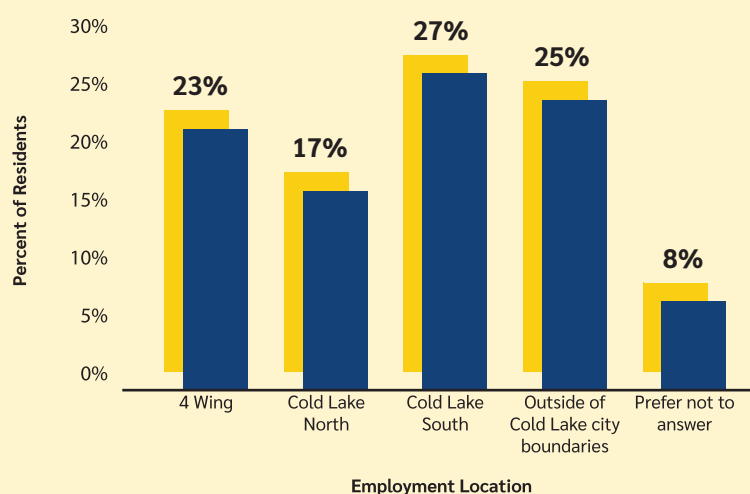*Figure 4. Percent of residents per employment location*

Figure 4 depicts the percent of residents by their employment location. The largest portion (27%) of residents work in Cold Lake South. The second largest portion (25%) of residents work outside of Cold Lake boundaries.

Table 8. Employment industry type and employment location cross tabulation

Employment Type	4-Wing	Cold Lake North	Cold Lake South	Outside of Cold Lake city boundaries	Prefer not to answer
Agriculture or Related Field	0%	28%	22%	50%	0%
Construction	2%	24%	25%	41%	7%
Education Services	7%	35%	38%	16%	4%
Federal Government	93%	1%	4%	1%	1%
Financial Institution	3%	10%	65%	18%	3%
Homemaker	6%	39%	35%	2%	20%
Hotel/ Food Services	1%	22%	68%	8%	1%
Municipal Government	4%	28%	45%	22%	2%
Oil & Gas	0.3%	5%	3%	90%	2%
Other	11%	22%	38%	18%	11%
Provincial Government	5%	51%	27%	16%	0.3%
Self-employed	2%	36%	44%	9%	9%
Student (Post- Secondary)	3%	22%	23%	38%	14%
Student (Secondary)	2%	34%	40%	2%	22%
Transportation	3%	37%	25%	31%	4%
Wholesale/ Retail Sales & Services	2%	15%	75%	7%	1%
Prefer not to answer	4%	4%	10%	5%	77%

Table 8 outlines the number of residents in each employment industry type against the employment location. Information in Table 7 proves that the two major industries Cold Lake residents work in, are the federal government sector and the oil & gas sector, respectively. The majority (93%) of federal government workers' employment location is in the 4-Wing. The majority (90%) of oil & gas industry workers commute outside of Cold Lake's city boundaries for work.

Access to Family Physicians

Overall Results

Residents of Cold Lake were asked four questions pertaining to family physician access. Data was collected on residents' physicians' location, appointment booking wait time, attempt to obtain a physician in Cold Lake, and if the resident travelled outside of Cold Lake for medical treatment, excluding physician appointments. The goal was to understand the state of medical care availability within the city.

Cold Lake City Council is advocating for residents to have adequate access to medical care within Cold Lake. Understanding the number of residents attempting to obtain a physician in Cold Lake will aid City Council's advocacy. City Council has received reports of long wait times in the City's family physician offices. To gain a more accurate understanding of average wait times to see their physician, the question regarding wait times was posed only to residents who indicated they have a family physician in the Municipality.

All family physician related question results were tabulated using the Municipality's age groups. Cross tabulation tables can be found in the Appendix.

Figure 5. Census form results for question: "Does this resident currently have a family physician?"

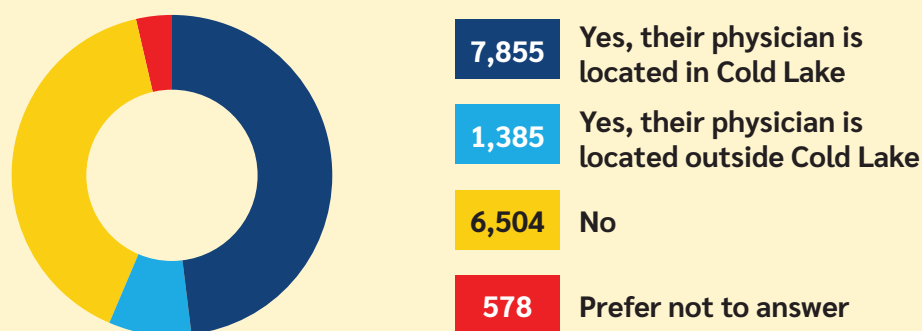|	
7,855	**Yes, their physician is located in Cold Lake**
1,385	**Yes, their physician is located outside Cold Lake**
6,504	**No**
578	**Prefer not to answer**

Figure 5 showcases the results of the census form question: "Does this resident currently have a family physician?" About one half (7,855, 48%) of residents have a family physician located in Cold Lake. The second most common answer, "No," proves 6,504 (40%) of residents do not have a family physician. 1,385 (8%) residents have a family physician outside of Cold Lake boundaries.
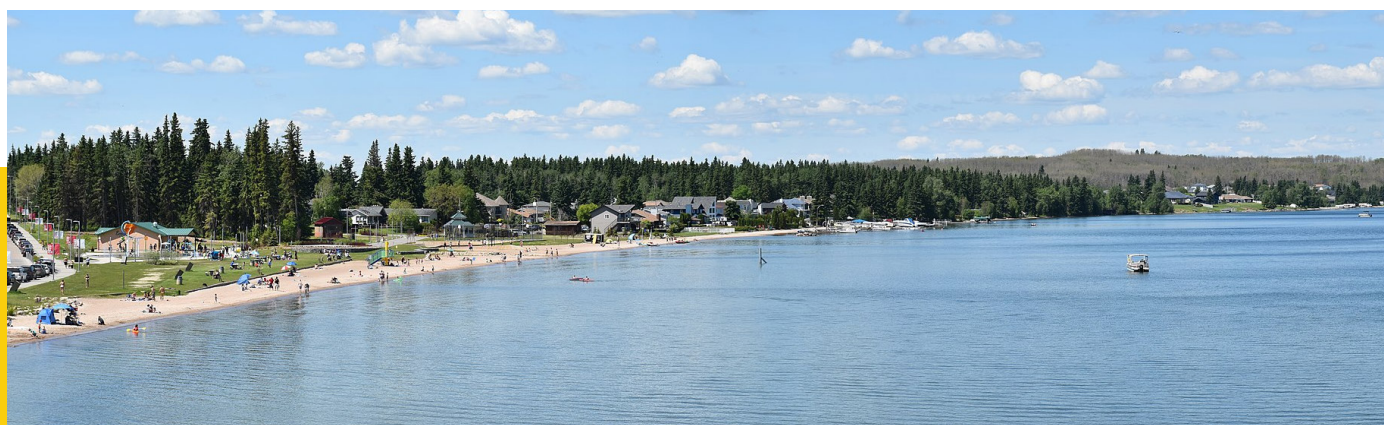
Figure 6. Census form results for question: "If this resident has had an appointment with their family physician in the past one year , how long did they have to wait between their first attempt to obtain an appointment and the date they were able to see their doctor?"

Within 1 week	18% (1,442)
1-2 weeks wait time	15% (1,149)
3-4 weeks wait time	20% (1,588)
Over 1 month wait time	20% (1,586)
Over 3 month wait time	6% (452)
No appointment available	4% (327)
Can't remember	3% (245)
No appointment made in the last year	12% (930)
Prefer not to answer	2% (136)

Figure 6 provides the results of the census form question: "If this resident has had an appointment with their family physician in the past one year, how long did they have to wait between their first attempt to obtain an 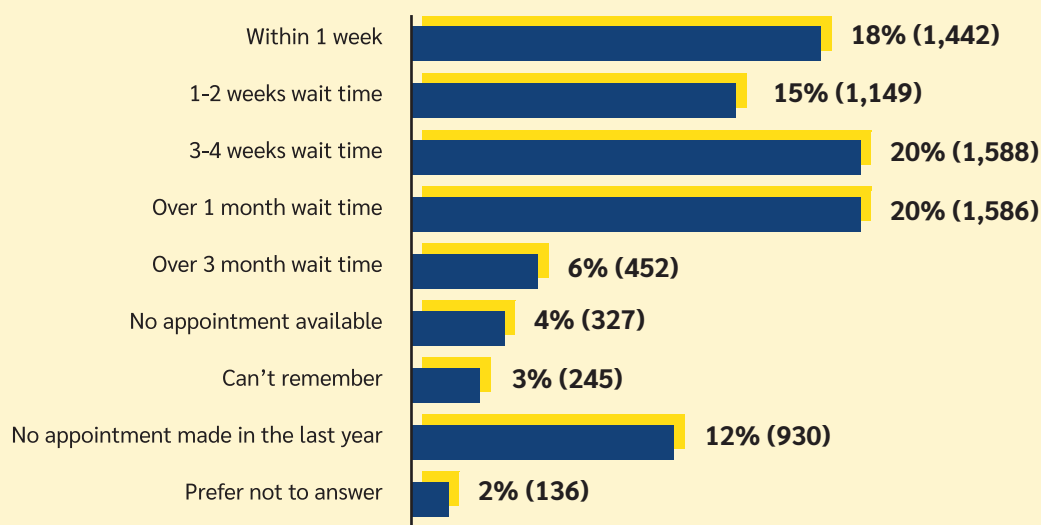appointment and the date they were able to see their doctor?" Only residents who indicated their family physician is located in Cold Lake were prompted to answer this question. The results provided two most selected options at the same percentage rate (20%): 3-4 weeks wait time and over 1 month wait time. This percentage accounts for 3,174 residents.

Figure 7. Census form results for question: "Has this resident attempted to obtain a family physician?"

Yes, but no doctors where accepting new patients	40% (3,134)
Yes, but they faced a problem not listed above	8% (648)
Yes, there were family physicians accepting new patients, but they did not want to accept any of the available family physicians	3% (208)
No	47% (3,673)
Prefer not to answer	3% (226)

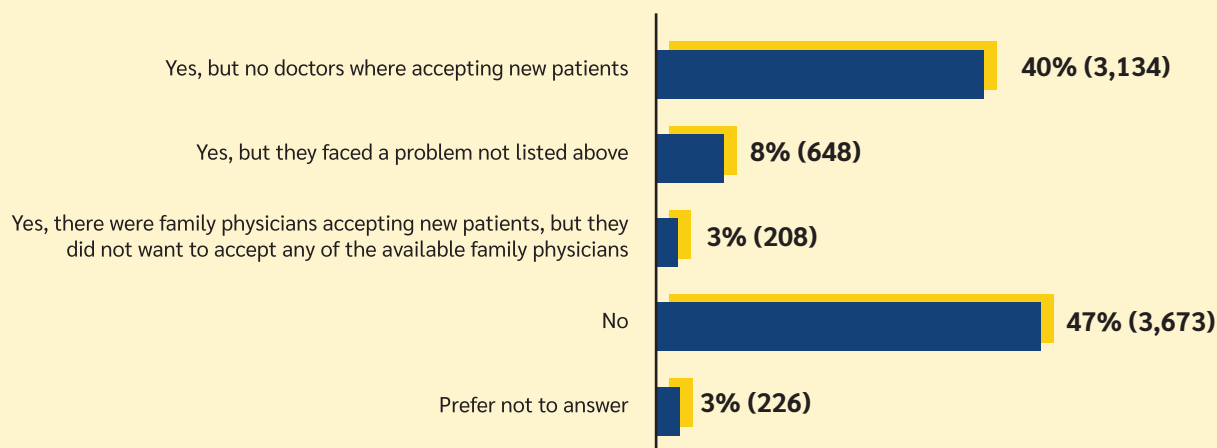Figure 7 provides the results of the census form question: "Has this resident attempted to obtain a family physician?" Only residents who reported their family physician is located outside of Cold Lake, or that they had no family physician, were prompted to answer this question. The results show that 47% of residents did not attempt to find a family physician and 40% attempted, but doctors were not accepting new patients.

Figure 8. Census form results for question: "In the past 3 years, has this resident travelled outside of Cold Lake for medical treatment other than appointments with their family physician?"

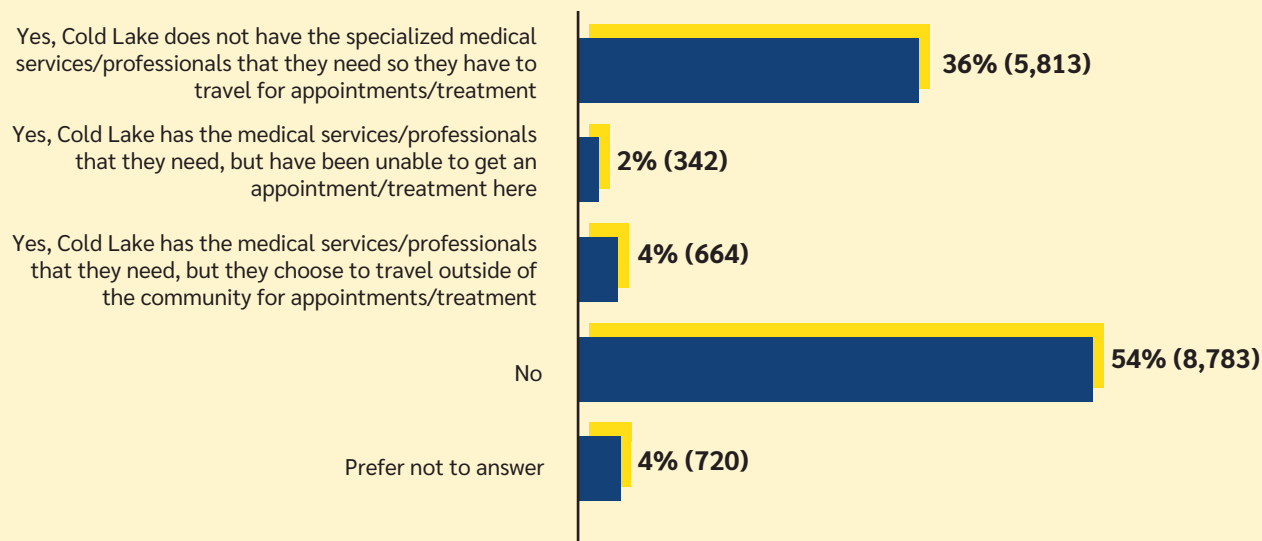| Response	Percentage (Count)
Yes, Cold Lake does not have the specialized medical services/professionals that they need so they have to travel for appointments/treatment	36% (5,813)
Yes, Cold Lake has the medical services/professionals that they need, but have been unable to get an appointment/treatment here	2% (342)
Yes, Cold Lake has the medical services/professionals that they need, but they choose to travel outside of the community for appointments/treatment	4% (664)
No	54% (8,783)
Prefer not to answer	4% (720)

Figure 8 provides the results of the census form question: "In the past 3 years, has this resident travelled outside of Cold Lake for medical treatment other than appointments with their family physician?" All respondents were prompted to answer this question. The majority (54%) of residents did not travel outside of Cold Lake for medical treatment, excluding physician appointments.
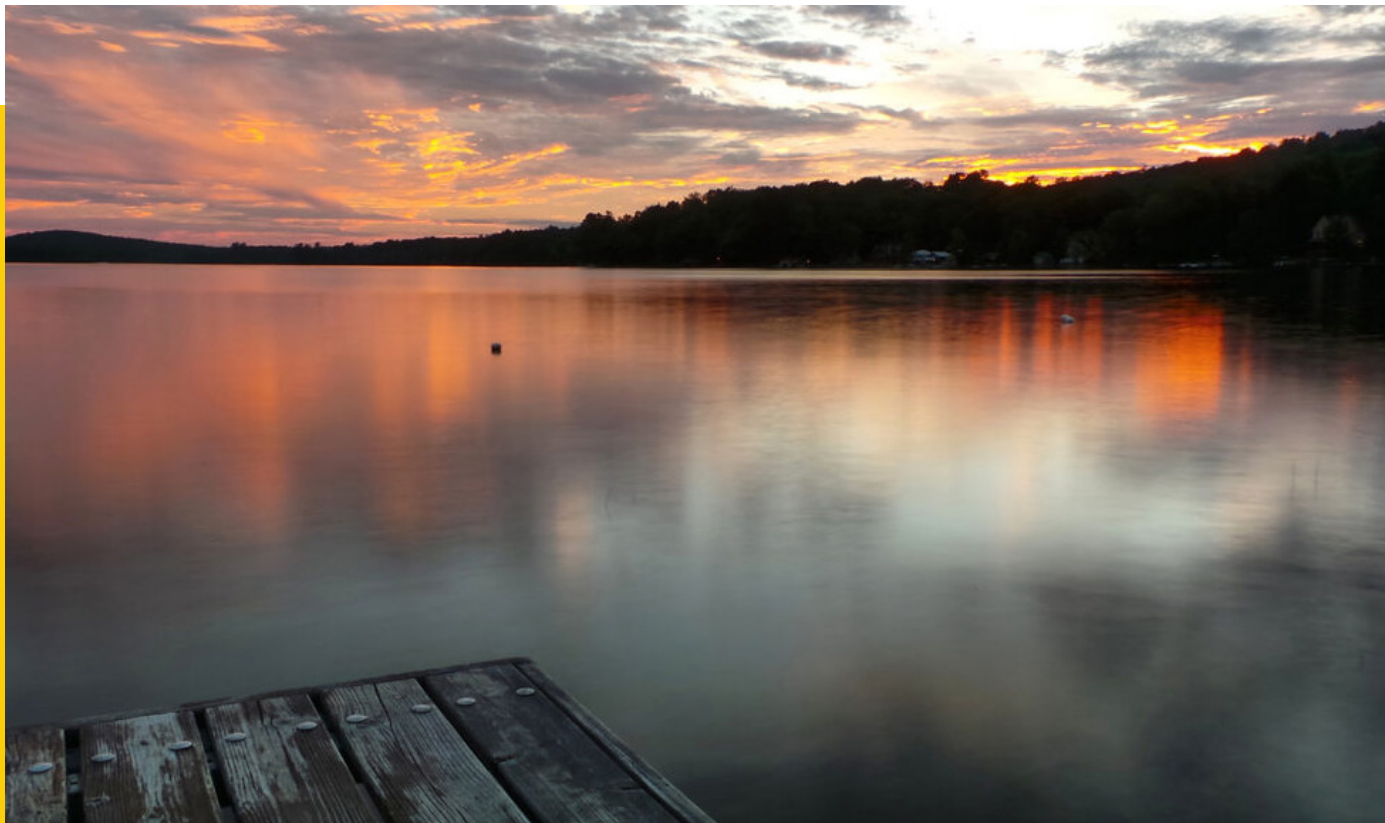
Summary – Cross Tabulations with Age Data

- 80% of residents 85 years and older have a family physician in Cold Lake.

- 58% of the 25-29 age group do not have a family physician.

- 50% of residents in the 70-74 age group attempted to find a doctor in Cold Lake, but they were not accepting new patients.

- 64% of residents in the 20-24 age group have not attempted to find a family physician.

- 52% of residents in the 75-79 age group travel outside of Cold Lake because the Municipality does not have the specialized medical services/professionals that they need.

Contact The City of Cold Lake with Any Questions

For census result questions, contact Legislative Services Department at 780-594-4494 or Legislative@coldlake.com

5513-48 Avenue
Cold Lake, AB
Canada T9M 1A1

780.594.4494

coldlake.com

Appendix

Census Form

Quality Assurance Question, asked once for the dwelling:
1. Would you be willing to provide your phone number or email address to participate in our quality assurance program?
☐ Yes   ☐ No

<u>To ensure the accuracy and integrity of the data collected in the census, a percentage of participants will be phoned following the completion of the census to ensure the quality of the responses collected.</u>

Standard Demographic Question, asked once for the dwelling:
2. Including yourself, how many persons usually live at this address on May 2, 2022?

☐ 1	☐ 6	☐ 11	☐ Vacant	**Enumerator Only Options:**
☐ 2	☐ 7	☐ 12	☐ Commercial	☐ Under Construction
☐ 3	☐ 8	☐ 13	☐ Seasonal Dwelling	☐ Bare Land
☐ 4	☐ 9	☐ 14		☐ Zero No Count
☐ 5	☐ 10	☐ 15		

<u>As the primary purpose of conducting a census is to provide a total population count of the region, the City of Cold Lake will ask each dwelling to provide the number of people in the household that count that address as their usual place of residence on May 2, 2022. The data collected from this question allows City Council and administration to make decisions about future city facilities, infrastructure needs, and programming requirements.</u>

Standard Demographic Questions, asked once for each person:
3. Please provide the age of this resident.

☐ 0-4 (hide questions 5-6)	☐ 18-19	☐ 35-39	☐ 55-59	☐ 75-79
☐ 5-9 (hide questions 5-6)	☐ 20-24	☐ 40-44	☐ 60-64	☐ 80-84
☐ 10-14 (hide questions 5-6)	☐ 25-29	☐ 45-49	☐ 65-69	☐ 85 years & over
☐ 15-17	☐ 30-34	☐ 50-54	☐ 70-74	☐ Prefer not to answer

<u>Understanding the age demographics of different neighbourhoods helps City Council and administration plan programs and facilities for families, children, and seniors. The information collected from this question will also aid in monitoring the potential labour force in Cold Lake.</u>

4. Please provide the gender of this resident.
☐ Male   ☐ Female   ☐ Other   ☐ Prefer not to answer

The data collected from this question will aid policy makers and program developers in construct inclusive bylaws, policies, and programs in matters of social services, justice, crime, and well-being.

5. Please provide the Type of Employment Industry for this resident.

☐ Federal Government	☐ Hotel/ Food Services	☐ Agriculture or Related Field
☐ Provincial Government	☐ Oil & Gas	☐ Unemployed (hide question 6)
☐ Municipal Government	☐ Construction	☐ Retired (hide question 6)
☐ Financial Institution	☐ Transportation	☐ Other
☐ Education Services	☐ Homemaker	☐ Prefer not to answer
☐ Student (Post- Secondary)	☐ Self-employed	
☐ Student (Secondary)	☐ Wholesale/ Retail Sales & Services	

<u>This question seeks to identify the current workforce diversity of the residents of Cold Lake. The data collected will demonstrate the economic and industrial growth trends for the city, including labour resources.</u>

6. Please provide the Employment Location for this resident.
☐ Cold Lake North   ☐ Prefer not to answer   ☐ Cold Lake South   ☐ 4 Wing
☐ Outside of Cold Lake city boundaries

The data collected from this question will be used by City Council and administration in planning public transportation and infrastructure needs within the community.

Physician Related Questions, asked once for each person:
7. Does this resident currently have a family physician?
☐ Yes, their physician is located in Cold Lake (hide question 9)   ☐ Yes, their physician is located outside Cold Lake (hide question 8)
☐ No (hide question 8)   ☐ Prefer not to answer (hide questions 8-9)

In order to advocate for the residents of Cold Lake, the City Council is seeking to understand the current state of medical care available within the City. One key piece to gaining this understanding is an accurate representation of how many Cold Lake residents do not currently have a family physician, how many do have a family physician outside of Cold Lake, and how many have a family physician in Cold Lake.

8. If this resident has had an appointment with their family physician in the past one year, how long did they have to wait between their first attempt to obtain an appointment and the date they were able to see their doctor?
☐ Within 1 week   ☐ 1-2 weeks wait time
☐ 3-4 weeks wait time   ☐ Over 1 month wait time
☐ Over 3 months wait time   ☐ Can't remember
☐ Unable to secure an appointment as there were none available   ☐ Prefer not to answer
☐ Not applicable as no appointment with family physician in the past year

City Council has had reports that for those residents who do have a family physician in Cold Lake wait times to get in can be quite long. As having reasonable access to medical care is a concern that City Council would like to advocate for, this question is being asked to gain a more accurate picture of what the average current wait times are in Cold Lake for those who do have a family doctor.

9. Has this resident attempted to obtain a family physician in Cold Lake?
☐ Yes, there were family physicians accepting new patients, but they did not want to accept any of the available family physicians
☐ Yes, but no doctors were accepting new patients   ☐ Yes, but they faced a problem not listed above
☐ No   ☐ Prefer not to answer

City Council is advocating for residents of Cold Lake to be able to have reasonable access to medical care within our city. As there are many reasons that residents of Cold Lake may not have obtained a family physician in Cold Lake, it is important for advocacy purposes to understand how many have tried to find a family doctor but have been unable to do so and how many residents have chosen not to find a family physician in Cold Lake.

10. In the past 3 years, has this resident travelled outside of Cold Lake for medical treatment other than appointments with their family physician?
☐ Yes, Cold Lake does not have the specialized medical services/professionals that they need so they have to travel for appointments/treatment
☐ Yes, Cold Lake has the medical services/professionals that they need, but they have been unable to get an appointment/treatment here
☐ Yes, Cold Lake has the medical services/professionals that they need, but they choose to travel outside of the community for appointments/treatment
☐ No   ☐ Prefer not to answer

To properly advocate for the residents of Cold Lake, the City Council is seeking to understand the current state of medical care available within the City. This question is designed to see if people are seeking medical care outside of Cold Lake because the services are not available in Cold Lake, if there are other factors that cause residents to travel outside of Cold Lake for medical care, or if residents have been able to obtain medical treatment here in Cold Lake.

Forecasting Model Data

Table A 1. Percent of residents per employment location

Dwelling Type	Enumerated Population	Enumerated Units	Average	Average Outstanding Units	Forecasted Population
Apartments/condos	1177	690	1.705797101	296	504.915942
Secondary suites	53	28	1.892857143	39	73.82142857
Single units	12557	4573	2.745899847	606	1664.015307

Total Forecasted Population = **2242.752678**
Total Estimated Population = **16301.75268**

Family Physician Questions and Age Group Tabulations

Table A 2. Age group and census results from question "Does this resident currently have a family physician?" cross tabulation

Age Group	Yes, their physician is located in Cold Lake	Yes, their physician is located outside Cold Lake	No	Prefer not to answer
0-4	47%	12%	39%	2%
5-9	50%	10%	39%	2%
10-14	52%	9%	36%	3%
15-17	52%	10%	36%	2%
18-19	48%	7%	43%	2%
20-24	32%	8%	54%	6%
25-29	30%	8%	58%	4%
30-34	38%	8%	50%	3%
35-39	43%	8%	47%	3%
40-44	46%	7%	44%	3%
45-49	52%	7%	37%	4%
50-54	51%	12%	35%	2%
55-59	59%	8%	32%	1%
60-64	64%	7%	26%	2%
65-69	69%	8%	22%	1%
70-74	76%	7%	16%	1%
75-79	79%	6%	13%	1%
80-84	78%	10%	11%	1%
85 years & over	80%	10%	9%	2%
Prefer not to answer	6%	1%	33%	61%

Table A 3. Age Group and census results from question: "If this resident has had an appointment with their family physician in the past one year, how long did they have to wait between their first attempt to obtain an appointment and the date they were able to see their doctor?" cross tabulation

Age Group	Within 1 week	1-2 weeks wait time	3-4 weeks wait time	Over 1 month wait time	Over 3 months wait time	Unable to secure an appointment as there were none available	Can't remember	Not applicable as no appointment with family physician in the past year	Prefer not to answer
0-4	13%	15%	24%	22%	4%	5%	4%	13%	0%
5-9	12%	13%	21%	19%	6%	6%	3%	21%	0%
10-14	12%	12%	17%	20%	6%	4%	3%	26%	0%
15-17	11%	11%	18%	19%	8%	4%	4%	24%	1%
18-19	10%	13%	15%	23%	6%	5%	7%	20%	1%
20-24	14%	16%	21%	19%	6%	3%	5%	16%	2%
25-29	18%	14%	18%	20%	6%	4%	6%	11%	3%
30-34	20%	15%	20%	21%	6%	5%	3%	10%	2%
35-39	18%	14%	20%	20%	7%	6%	4%	10%	2%
40-44	18%	12%	20%	23%	5%	5%	4%	12%	2%
45-49	16%	13%	19%	25%	7%	6%	3%	9%	2%
50-54	17%	16%	20%	24%	8%	5%	2%	6%	2%
55-59	20%	16%	23%	21%	8%	3%	2%	6%	3%
60-64	24%	16%	23%	17%	5%	3%	2%	8%	2%
65-69	27%	17%	23%	20%	5%	2%	2%	3%	1%
70-74	35%	17%	22%	15%	3%	2%	2%	4%	1%
75-79	32%	25%	14%	20%	3%	1%	2%	1%	2%
80-84	32%	18%	21%	10%	5%	3%	2%	3%	6%
85 years & over	34%	18%	15%	14%	2%	2%	0%	3%	11%
Prefer not to answer	0%	23%	15%	8%	23%	15%	8%	8%	0%

Table A 4. Age group and census results from question: "Has this resident attempted to obtain a family physician in Cold Lake?" cross tabulation

Age Group	Yes, but no doctors were accepting new patients	Yes, but they faced a problem not listed above	Yes, there were family physicians accepting new patients, but they did not want to accept any of the available family physicians	No	Prefer not to answer
0-4	42%	10%	4%	41%	3%
5-9	48%	8%	3%	39%	2%
10-14	47%	9%	3%	39%	2%
15-17	46%	7%	3%	39%	4%
18-19	43%	4%	2%	49%	2%
20-24	27%	3%	2%	64%	3%
25-29	31%	5%	1%	61%	3%
30-34	34%	5%	2%	55%	4%
35-39	40%	9%	3%	45%	2%
40-44	44%	8%	3%	43%	2%
45-49	40%	12%	3%	42%	3%
50-54	46%	11%	2%	38%	4%
55-59	44%	13%	3%	36%	4%
60-64	43%	13%	4%	35%	4%
65-69	49%	10%	3%	36%	1%
70-74	50%	9%	3%	35%	3%
75-79	46%	20%	0%	29%	5%
80-84	30%	30%	0%	37%	3%
85 years & over	28%	34%	3%	28%	7%
Prefer not to answer	11%	5%	0%	82%	1%

Table A 5. Age group and census results from question: "In the past 3 years, has this resident travelled outside of Cold Lake for medical treatment other than appointments with their family physician?" cross tabulation

Age Group	Yes, Cold Lake does not have the specialized medical services/ professionals that they need so they have to travel for appointments/ treatment	Yes, Cold Lake has the medical services/ professionals that they need, but they choose to travel outside of the community for appointments/treatment	Yes, Cold Lake has the medical services/ professionals that they need, but they have been unable to get an appointment/ treatment here	No	Prefer not to answer
0-4	32%	3%	3%	60%	2%
5-9	31%	1%	3%	62%	2%
10-14	29%	1%	4%	63%	3%
15-17	29%	2%	3%	64%	3%
18-19	25%	2%	3%	67%	3%
20-24	26%	4%	4%	62%	5%
25-29	29%	3%	5%	58%	5%
30-34	40%	2%	5%	50%	3%
35-39	36%	2%	4%	55%	3%
40-44	34%	2%	6%	55%	3%
45-49	41%	1%	4%	50%	3%
50-54	45%	2%	5%	46%	2%
55-59	46%	1%	4%	46%	3%
60-64	45%	2%	3%	47%	2%
65-69	48%	1%	4%	43%	4%
70-74	46%	2%	4%	46%	2%
75-79	52%	1%	4%	40%	4%
80-84	47%	3%	2%	43%	5%
85 years & over	35%	2%	2%	50%	11%
Prefer not to answer	4%	0%	0%	9%	86%