

# How healthy are we? 2010

## CENTRAL ZONE

# Population, Socioeconomics and Health Summary

FEBRUARY 2011

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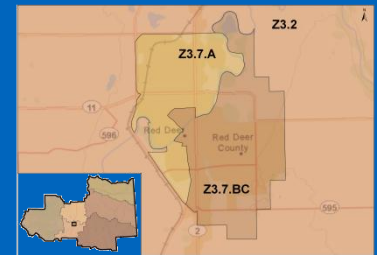
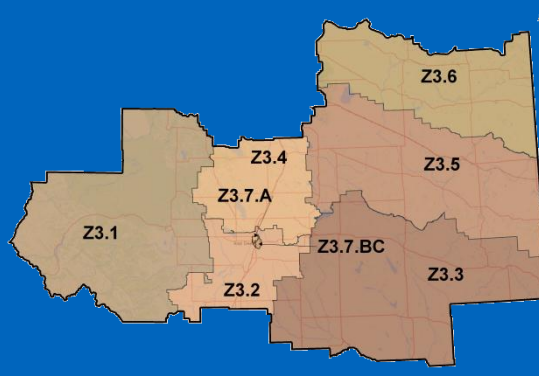
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# Zone Summary

## CENTRAL ZONE RESIDENTS



The Central Zone encompasses 95,000 km<sup>2</sup>. For the purposes of Health Status Reporting, the Central Zone is divided into:

- 6 primarily rural sub geographies
- City of Red Deer which is further subdivided into two sub geographies

### QUICK LOOK

In the Central Zone in 2010, 445,004 people lived here:

- 222,257 were men
- 222,747 were women

In the Central Zone in 2009:

- 5,704 babies were born to residents of the Central Zone
- 3,206 Central Zone residents died

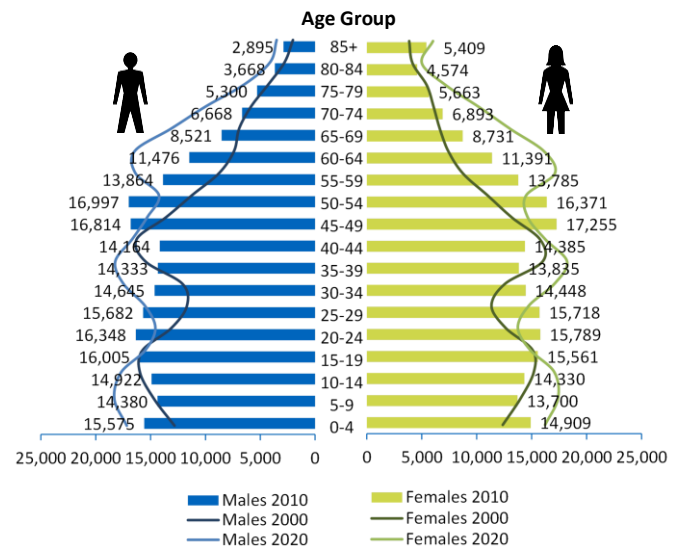
The life expectancy at birth was 79.6 years (using 2007-2009 death data). For males and females the life expectancy at birth was 77.3 years and 82.0 years, respectively

The number of times Central Zone residents were hospitalized in 2009 was 55,540 and the most common reason, excluding obstetric related hospitalizations, was due to Circulatory Disease

According to the 2006 Federal Census:

- 24,359 immigrants lived here
- 14.6% of immigrants had arrived in the last 5 years
- The average census family income per year was \$82,238
- 28.0% of people 65 years of age or older, lived alone
- 3.3% of households spoke a language at home that was neither French or English

Figure 7: Central Zone's changing population



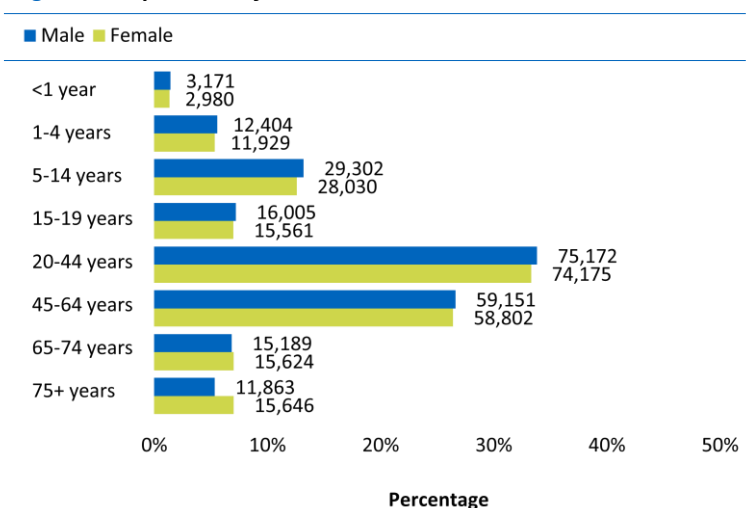
Source: Please refer to Appendix 1 – Data Sources and Definitions

Table 23: Population Summary for Central Zone Residents

Year	Male	Female	Total
2000	190,681	191,462	382,143
2010	222,257	222,747	445,004
2020	250,736	249,451	500,187

Source: Please refer to Appendix 1 – Data Sources and Definitions

Figure 8: Population of Central Zone, 2010



Source: Please refer to Appendix 1 – Data Sources and Definitions

**Table 24: Central Zone Health Status Geographies**

Code	Name	Code	Name
Z3.1	Rocky Mountain House/Drayton Valley	Z3.5	Central Zone East
Z3.2	Central Zone Central/South	Z3.6	Central Zone North East
Z3.3	Central Zone South East	Z3.7A	Red Deer – North
Z3.4	Wetaskiwin/Ponoka/Lacombe	Z3.7BC	Red Deer – East/South West

**Table 25: Population Summary for Central Zone Residents**

Population/Geographical Indicators (2010)	Z3.1	Z3.2	Z3.3	Z3.4	Z3.5	Z3.6	Z3.7A	Z3.7BC	City of Red Deer	CENTRAL ZONE	ALBERTA
Both males and females	38,823	69,037	47,376	77,866	63,876	55,055	33,461	59,509	92,970	445,004	3,690,522
Males	19,625	34,742	23,749	38,692	31,693	27,454	16,940	29,363	46,303	222,257	1,848,641
Females	19,198	34,296	23,628	39,174	32,182	27,602	16,521	30,146	46,667	222,747	1,841,881
Percent of population less than 1 year of age	1.5%	1.4%	1.2%	1.5%	1.2%	1.3%	1.5%	1.4%	1.5%	1.4%	1.4%
Percent of population 1 to 4 years of age	5.9%	5.4%	4.9%	6.0%	5.1%	5.6%	5.8%	5.3%	5.5%	5.5%	5.4%
Percent of population 5 to 14 years of age	13.7%	12.9%	12.5%	14.2%	12.6%	13.3%	11.6%	11.6%	11.6%	12.9%	12.2%
Percent of population 15 to 19 years of age	7.4%	6.7%	7.2%	7.9%	7.1%	7.1%	6.1%	6.8%	6.6%	7.1%	6.7%
Percent of population 20 to 44 years of age	34.0%	33.6%	30.4%	31.4%	30.7%	31.6%	42.6%	38.2%	39.8%	33.6%	37.2%
Percent of population 45 to 64 years of age	26.5%	27.5%	27.7%	26.0%	27.3%	26.2%	24.1%	25.9%	25.2%	26.5%	26.3%
Percent of population 65 to 74 years of age	6.4%	7.2%	7.9%	6.9%	8.3%	7.3%	4.9%	5.5%	5.3%	6.9%	5.9%
Percent of population 75 years of age or older	4.5%	5.4%	8.2%	6.2%	7.6%	7.6%	3.4%	5.3%	4.6%	6.2%	5.0%
Largest 5 year age group, Both males & females	45-49 yrs	45-49 yrs	50-54 yrs	15-19 yrs	45-49 yrs	50-54 yrs	25-29 yrs	25-29 yrs	25-29 yrs	45-49 yrs	25-29 yrs
Largest 5 year age group, Males	45-49 yrs	45-49 yrs	50-54 yrs	15-19 yrs	50-54 yrs	50-54 yrs	25-29 yrs	25-29 yrs	25-29 yrs	50-54 yrs	25-29 yrs
Largest 5 year age group, Females	45-49 yrs	45-49 yrs	45-49 yrs	15-19 yrs	45-49 yrs	45-49 yrs	25-29 yrs	25-29 yrs	25-29 yrs	45-49 yrs	25-29 yrs
Average age (years)	36.3 yrs	37.8 yrs	39.8 yrs	37.1 yrs	39.5 yrs	38.7 yrs	34.9 yrs	36.7 yrs	36.1 yrs	37.8 yrs	36.9 yrs
Area (km <sup>2</sup> )	23,000	6,300	23,800	7,900	19,400	14,200	28	42	71	95,000	660,200
Number of people per km <sup>2</sup>	1.7	11.0	2.0	9.9	3.3	3.9	1,195.0	1,416.9	1,313.1	4.7	4.5
Number of dwellings per km <sup>2</sup> (2006)	0.6	4.3	0.8	3.6	1.3	1.5	411.7	532.5	478.7	1.8	1.9

Source: Please refer to Appendix 1 – Data Sources and Definitions

**Table 26: Summary of Socioeconomic Indicators for Central Zone Residents**

Socioeconomic Indicators (2006)	Z3.1	Z3.2	Z3.3	Z3.4	Z3.5	Z3.6	Z3.7A	Z3.7BC	City of Red Deer	CENTRAL ZONE	ALBERTA
<b>Family Composition</b>											
Percent male lone parent families	2%	2%	3%	3%	3%	2%	4%	3%	3%	2.8%	3.1%
Number male lone parent families	235	412	350	640	475	295	310	425	735	3,142	27,710
Percent female lone parent families	8%	8%	7%	11%	8%	8%	18%	12%	14%	9.6%	11.3%
Number female lone parent families	845	1,541	850	2,140	1,230	1,100	1,402	1,718	3,120	10,826	102,555
Percent 65 yrs of age and older who live alone	25%	23%	29%	24%	30%	33%	26%	33%	31%	28.0%	27.2%
<b>Home Ownership</b>											
Percent living in owned dwellings	80%	81%	77%	77%	79%	78%	63%	68%	66%	75.9%	73.1%
Percent where > 30% of income is spent on housing for homeowners	12%	13%	11%	14%	11%	12%	15%	14%	15%	12.8%	16.2%
Average value of dwelling	\$215,383	\$248,755	\$162,412	\$216,487	\$179,432	\$187,571	\$218,165	\$256,836	\$244,456	\$212,567	\$293,811
Percent of homeowners who have homes in need of major repairs	9%	7%	9%	11%	9%	10%	6%	5%	5%	8.4%	6.7%
Percent living in rented dwellings	17%	19%	19%	18%	20%	22%	37%	32%	34%	22.3%	26.3%
Percent where > 30% of income is spent on housing for renters	28%	31%	28%	34%	33%	31%	32%	37%	35%	32.5%	36.9%
Percent living in band housing	2%	0%	0%	5%	0%	0%	0%	0%	0%	1.0%	0.6%
<b>Mobility</b>											
Percent who are in the same address as of ONE year ago	83%	81%	85%	84%	87%	84%	72%	76%	74%	82.1%	81.1%
Percent who are in the same address as of FIVE years ago	57%	52%	61%	58%	61%	57%	37%	39%	38%	53.5%	49.6%
<b>Language</b>											
Percent who do not speak either official language (French or English)	<1%	<1%	<1%	<1%	<1%	1%	1%	<1%	<1%	0.3%	1.2%
Percent of households where a non-official language is spoken at home	2%	2%	5%	3%	3%	4%	4%	4%	4%	3.3%	9.1%
Top 5 non-official languages spoken at home	Aboriginal Languages	German	German	German	German	German	Spanish	Spanish	Spanish	German	Chinese
	German	Dutch	Chinese	Aboriginal Languages	Akan	Ukrainian	Tagalog	Tagalog	Tagalog	Spanish	German
	Dutch	Tagalog	Spanish	Dutch	Chinese	Russian	Chinese	Chinese	Chinese	Aboriginal Languages	Punjabi
	Chinese	Spanish	Punjabi	Tagalog	Ukrainian	Chinese	Other	Other	Other languages	Dutch	Spanish
	Korean	Chinese	Korean	Other	Korean	Spanish	Punjabi	Vietnamese	Vietnamese	Chinese	Tagalog

**Table 26: Summary of Socioeconomic Indicators for Central Zone Residents**

Socioeconomic Indicators (2006)	Z3.1	Z3.2	Z3.3	Z3.4	Z3.5	Z3.6	Z3.7A	Z3.7BC	City of Red Deer	CENTRAL ZONE	ALBERTA
<b>Immigration</b>											
Percent whose parents were born in a country other than Canada	6%	7%	7%	8%	7%	6%	10%	13%	12%	7.9%	20.0%
Total number of immigrants	1,670	3,534	2,000	4,115	3,045	2,390	2,233	5,372	7,605	24,359	527,035
Percent of recent immigrants (Arriving in last 5 yrs)	<1%	11%	<1%	14%	<1%	14%	23%	22%	22%	14.6%	19.7%
Top 5 places of birth for RECENT immigrants	W Europe	W Europe	S America	W Europe	E Asia	C America	SE Asia	S America	SE Asia	W Europe	E Asia
	E Asia	S Asia	N Europe	USA	N Europe	E Europe	S America	SE Asia	S America	SE Asia	S Asia
	E Africa	S Africa	USA	S Africa	S Africa	USA	S Asia	N Africa	S Asia	USA	SE Asia
	USA	USA	E Asia	SE Asia	USA	SE Asia	E Europe	USA	E Europe	S America	WC Asia & Mid East
	S Africa	C America	E Africa	N Europe	E Europe	WC Asia & Mid East	WC Asia & Mid East	S Asia	N Africa	S Africa	E Europe
<b>Aboriginal</b>											
Percent population who are Aboriginal	9%	3%	3%	14%	3%	4%	6%	3%	4%	5.7%	5.8%
<b>Highest Educational Achievement (25 to 64 yr olds)</b>											
Percent with no high school certificate	27%	19%	23%	23%	21%	21%	20%	14%	16%	20.6%	15.4%
Percent with high school certificate	28%	28%	28%	25%	29%	24%	29%	26%	27%	26.9%	24.1%
Percent with apprenticeship, trades certificate or diploma	16%	16%	15%	16%	16%	16%	15%	14%	14%	15.5%	12.4%
Percent with college/other non-university certificate/diploma	18%	24%	21%	21%	20%	23%	23%	24%	23%	21.7%	21.5%
Percent with university certificate, diploma or degree	10%	13%	13%	15%	15%	15%	13%	22%	19%	14.6%	26.6%
<b>Census Family Income</b>											
Percent of families with income < \$50,000/yr	30%	29%	33%	35%	34%	32%	32%	25%	27%	30.6%	27.6%
Percent of families with income ≥ \$100,000/yr	30%	29%	23%	23%	23%	28%	23%	35%	31%	26.8%	33.1%
Median income	\$74,375	\$71,926	\$67,813	\$63,988	\$66,403	\$70,509	\$66,791	\$79,437	\$74,902	\$69,968	\$76,642
Average income	\$86,492	\$82,674	\$75,576	\$75,711	\$78,071	\$84,345	\$78,941	\$96,583	\$90,366	\$82,238	\$98,240

Source: Please refer to Appendix 1 – Data Sources and Definitions

**Table 27: Summary of Health Indicators for Central Zone Residents (Z3.1 – Z3.7A)**

Health Summary Indicators	Z3.1	Z3.2	Z3.3	Z3.4	Z3.5	Z3.6	Z3.7A
<b>Births 2007 - 2009</b>							
Number of Births (2009)	570	915	571	1,118	806	369	552
Number of Births (2007-2009)	1,714	2,770	1,673	3,420	2,365	940	1,578
Percent Low Birth Weight (of live births, <2500 gm)	6.7%	5.8%	6.1%	5.9%	4.9%	7.1%	6.7%
Percent High Birth Weight (of live births, ≥ 4000 gm)	12.1%	12.3%	9.9%	14.2%	12.9%	11.0%	12.0%
Percent Small-for-Gestational-Age (of singleton live births)	7.4%	7.2%	7.4%	6.1%	5.3%	7.7%	8.0%
Percent Preterm Births (of live births, <37 wks gestation)	8.1%	7.1%	7.5%	8.5%	7.3%	9.4%	8.6%
Crude Birth Rate (per 1,000)	15.1	13.9	12.0	15.0	12.6	5.8	16.5
General Fertility Rate (per 1,000 women 15-49 yr)	60.2	56.7	52.6	62.9	54.2	25.0	59.7
Teen Birth Rate (per 1,000 women 15-19 yr)	26.8	20.5	16.8	40.4	18.0	7.7	32.2
Percent Maternal Prenatal Smoking (of deliveries) (2006-2008)	27.2%	24.9%	18.8%	37.1%	20.8%	20.7%	31.4%
Life Expectancy (yrs) at Birth (based on 2007-2009 death data)	78.4	80.6	79.4	77.8	79.8	81.0	79.8
Life Expectancy at Birth for Males (yrs)	76.1	78.5	77.7	75.4	77.8	78.0	77.3
Life Expectancy at Birth for Females (yrs)	80.8	82.9	81.1	80.2	82.0	84.2	82.3
<b>Deaths 2007 – 2009</b>							
Infant Mortality Rate (per 1,000 live births) (2005-2009)	6.6	4.6	6.7	11.9	4.8	10.0	7.4
Number of Deaths (2009)	270	407	432	602	575	419	145
Number of Deaths (2007-2009)	735	1,303	1,344	1,849	1,765	1,253	465
Top 7 Causes of Death (2007-2009)	Circulatory (30.5%)	Circulatory (33.8%)	Circulatory (34.0%)	Circulatory (32.1%)	Circulatory (35.5%)	Circulatory (31.8%)	Circulatory (32.4%)
	Cancer (30.1%)	Cancer (27.2%)	Cancer (26.4%)	Cancer (24.1%)	Cancer (25.8%)	Cancer (25.7%)	Cancer (26.3%)
	Respiratory (8.1%)	Respiratory (7.7%)	Respiratory (8.0%)	Respiratory (10.9%)	Respiratory (9.7%)	Respiratory (9.4%)	Respiratory (7.4%)
	Unintentional Injury (6.3%)	Nervous System (5.7%)	Mental & Behavioral (4.6%)	Unintentional Injury (4.5%)	Mental & Behavioral (4.3%)	Unintentional Injury (4.8%)	Nervous System (5.0%)
	Nervous System (4.1%)	Unintentional Injury (5.5%)	Endocrine & Metabolic (4.6%)	Mental & Behavioral (4.2%)	Unintentional Injury (4.3%)	Nervous System (4.5%)	Unintentional Injury (4.1%)
	Endocrine & Metabolic (4.0%)	Mental & Behavioral (3.7%)	Unintentional Injury (4.3%)	Digestive (4.0%)	Digestive (4.2%)	Endocrine & Metabolic (4.4%)	Mental & Behavioral (3.5%)
	Intentional Injury (3.7%)	Digestive (3.7%)	Digestive (3.9%)	Nervous System (3.6%)	Nervous System (3.9%)	Mental & Behavioral (4.0%)	Digestive (3.3%)

**Table 27: Summary of Health Indicators for Central Zone Residents (Z3.1 – Z3.7A)**

Health Summary Indicators	Z3.1	Z3.2	Z3.3	Z3.4	Z3.5	Z3.6	Z3.7A
<b>Deaths 2007 – 2009 Age Standardized Rates (per 100,000) to 1991 Canadian Population</b>							
All Cause Death Rate	643.1	549.3	608.5	646.0	597.2	512.3	584.4
All Cause Death Rate for Males	749.2	680.0	700.1	779.5	725.0	664.6	749.7
All Cause Death Rate for Females	545.0	440.1	525.8	528.5	486.3	378.9	461.3
Ischaemic Heart Disease (IHD) Death Rate	117.9	103.8	100.7	113.1	106.1	84.4	114.6
IHD Death Rate for Males	147.9	142.3	118.0*	147.3	141.5	127.0	145.6
IHD Death Rate for Females	87.0	71.5	83.1	84.5	73.3	44.2	83.5
All Heart Disease Death Rate	146.4	132.2	126.2	140.9	143.6	113.1	147.1
All Heart Disease Death Rate for Males	174.8	170.7	145.5	178.4	185.6	163.9	179.3
All Heart Disease Death Rate for Females	116.0	99.6	105.7	109.6	106.8	65.9	117.0
Cancer Death Rate	193.6	151.6	176.6	161.4	168.2	142.2	153.1
Cancer Death Rate for Males	194.7	179.8	198.2	200.8	199.1	175.6	200.1
Cancer Death Rate for Females	194.2	127.7	160.2	129.1	143.6	115.9	124.4
Respiratory Death Rate	52.7	41.9	42.3	63.9	56.2	46.2	45.3*
Respiratory Death Rate for Males	71.8*	55.6	53.6	65.8	70.7	58.0	61.2*
Respiratory Death Rate for Females	41.6*	34.5	36.0	62.1	44.2	40.0	36.1*
Suicide Rate	24.3*	12.9*	12.0*	21.4	9.8*	15.1*	14.8*
Suicide Rate for Males	40.7*	21.2*	18.0*	33.3*	16.0*	23.2*	26.6*
Suicide Rate for Females	V	V	V	9.8*	V	V	V
Unintentional Injury Death Rate	41.8	32.9	34.0	36.9	35.6	31.0	21.2*
Unintentional Injury Death Rate for Males	68.1*	46.8	47.0*	51.9	54.2	43.9*	34.3*
Unintentional Injury Death Rate for Females	V	20.4*	22.0*	22.0*	18.6*	18.0*	V
Lung Cancer Death Rate	52.2	39.0	47.3	40.9	39.0	33.8	40.4*
Lung Cancer Death Rate for Males	43.5*	47.6	58.5	56.0	46.0	44.9	47.3*
Lung Cancer Death Rate for Females	62.2*	30.8	37.3*	28.0	34.1	24.8*	35.8*
Colorectal Cancer Death Rate	19.3*	21.0	20.6	16.2	27.0	14.4*	19.1*
Colorectal Cancer Death Rate for Males	V	20.8*	25.3*	20.4*	36.4	19.4*	V
Colorectal Cancer Death Rate for Females	23.5*	20.1*	17.0*	11.9*	17.8*	9.5*	V
Breast Cancer Death Rate for Females	37.1*	28.2*	24.4*	17.6*	21.8*	21.0*	V



**Table 27: Summary of Health Indicators for Central Zone Residents (Z3.1 – Z3.7A)**

Health Summary Indicators	Z3.1	Z3.2	Z3.3	Z3.4	Z3.5	Z3.6	Z3.7A
<b>Deaths 2007 – 2009 Age Standardized Rates (per 100,000) to 1991 Canadian Population (continued)</b>							
Prostate Cancer Death Rate for Males	25.3*	26.4*	22.0*	30.8	25.8*	33.8*	V
Stroke Death Rate	33.9	30.7	42.2	35.6	37.6	27.2	36.7*
Stroke Death Rate for Males	32.8*	42.1	48.1	39.0	41.8	31.1*	45.9*
Stroke Death Rate for Females	36.5*	20.9*	37.3	32.6	33.7	24.1*	30.6*
COPD Death Rate	32.3*	27.2	26.7	28.9	30.3	26.3	20.2*
COPD Death Rate for Males	37.0*	32.7*	35.2	30.0	37.9	32.5*	V
COPD Death Rate for Females	31.4*	24.6*	21.6*	28.7	24.1*	23.1*	V
<b>Hospitalizations 2007 – 2009</b>							
Number of Hospitalizations (2009)	4,542	7,920	6,774	11,535	9,439	4,647	3,834
Number of Hospitalizations (2007-2009)	13,862	24,000	20,565	35,064	27,969	14,223	11,091
Percent of hospitalizations that are birth or pregnancy related (2007-2009)	24.7%	21.3%	16.2%	18.6%	16.8%	14.9%	25.6%
Top 7 overall reasons for Hospitalization (2007-2009)	Obstetric Related (14.1%)	Obstetric Related (12.8%)	Circulatory (10.2%)	Obstetric Related (11.7%)	Digestive (10.5%)	Circulatory (10.7%)	Obstetric Related (15.7%)
	Birth Event (10.6%)	Digestive (10.0%)	Digestive (10.0%)	Digestive (9.5%)	Obstetric Related (9.6%)	Digestive (10.3%)	Birth Event (9.9%)
	Digestive (8.9%)	Circulatory (9.6%)	Obstetric Related (9.3%)	Respiratory (9.1%)	Circulatory (9.5%)	Health Status (9.8%)	Circulatory (8.4%)
	Circulatory (8.5%)	Birth Event (8.5%)	Respiratory (7.2%)	Circulatory (8.5%)	Health Status (8.5%)	Obstetric Related (8.3%)	Mental & Behavioral (8.2%)
	Respiratory (6.9%)	Unintentional Injury (6.6%)	Health Status (7.1%)	Birth Event (6.9%)	Birth Event (7.2%)	Respiratory (7.3%)	Digestive (8.0%)
	Unintentional Injury (6.8%)	Respiratory (6.1%)	Birth Event (6.9%)	Unintentional Injury (6.3%)	Respiratory (7.2%)	Birth Event (6.6%)	Respiratory (6.0%)
	Health Status (6.8%)	Health Status (5.7%)	Unintentional Injury (6.2%)	Signs & Symptoms (6.0%)	Signs & Symptoms (6.6%)	Unintentional Injury (6.6%)	Unintentional Injury (5.6%)
<b>Hospitalizations 2007 – 2009 Age Standardized Rates (per 1,000) to 1991 Canadian Population</b>							
Hospitalization Rate (including birth/pregnancy)	124.4	118.0	134.7	150.2	136.3	78.9	118.9
Hospitalization Rate for Males (including births)	104.4	101.5	113.6	129.8	116.6	73.1	103.4
Hospitalization Rate for Females (including birth/pregnancy)	145.1	134.9	156.2	171.5	156.3	85.0	136.4
Hospitalization Rate (excluding birth/pregnancy)	90.4	87.7	102.6	116.1	103.7	62.3	91.9
Hospitalization Rate for Males (excluding births)	93.3	92.1	103.5	120.7	105.6	67.5	94.2
Hospitalization Rate for Females (excluding birth/pregnancy)	88.0	83.6	102.0	112.1	102.1	57.7	90.1

**Table 27: Summary of Health Indicators for Central Zone Residents (Z3.1 – Z3.7A)**

Health Summary Indicators	Z3.1	Z3.2	Z3.3	Z3.4	Z3.5	Z3.6	Z3.7A
<b>Emergency Department (ED) Visits 2009</b>							
Number of Emergency Department (ED) Visits	45,653	48,036	56,368	79,582	61,680	33,915	17,576
Top 7 overall reasons for ED visits	Health Status (20.2%)	Unintentional Injury (21.0%)	Health Status (20.8%)	Unintentional Injury (18.4%)	Health Status (17.7%)	Health Status (20.3%)	Unintentional Injury (22.6%)
	Unintentional Injury (17.6%)	Health Status (17.0%)	Respiratory (14.9%)	Health Status (17.5%)	Unintentional Injury (16.2%)	Unintentional Injury (16.1%)	Signs & Symp (19.3%)
	Respiratory (15.0%)	Signs & Symptoms (12.9%)	Unintentional Injury (14.7%)	Respiratory (14.5%)	Respiratory (15.3%)	Respiratory (15.0%)	Health Status (13.5%)
	Signs & Symptoms (9.8%)	Respiratory (11.7%)	Signs & Symptoms (10.3%)	Signs & Symptoms (11.7%)	Signs & Symptoms (11.1%)	Signs & Symptoms (10.4%)	Respiratory (9.5%)
	Digestive (5.3%)	Digestive (4.9%)	Musculoskeletal (5.6%)	Digestive (5.1%)	Musculoskeletal (5.8%)	Musculoskeletal (6.2%)	Digestive (5.1%)
	Musculoskeletal (4.8%)	Musculoskeletal (4.6%)	Skin & Subcut. Tissue (5.0%)	Musculoskeletal (4.4%)	Digestive (5.4%)	Digestive (5.3%)	Musculoskeletal (4.1%)
	Skin & Subcut. Tissue (4.3%)	Infectious & Parasitic (4.1%)	Digestive (4.6%)	Genitourinary (4.2%)	Genitourinary (4.4%)	Genitourinary (4.1%)	Mental & Behavioral (3.9%)
<b>ED Visits 2009 Age Standardized Rates (per 1,000) to 1991 Canadian Population</b>							
ED Visit Rate	1,201.4	707.3	1,178.4	1,042.5	972.5	599.6	533.4
ED Visit Rate for Males	1,133.9	695.8	1,123.8	1,006.5	903.6	584.7	538.8
ED Visit Rate for Females	1,275.1	719.7	1,236.6	1,079.9	1,041.4	616.4	528.6

Source: Please refer to Appendix 1 – Data Sources and Definitions

**Table 28: Summary of Health Indicators for Central Zone Residents (Z3.7BC – Alberta)**

Health Summary Indicators	Z3.7BC	City of Red Deer	CENTRAL ZONE	ALBERTA
<b>Births 2007 - 2009</b>				
Number of Births (2009)	803	1,355	5,704	51,068
Number of Births (2007-2009)	2,439	4,017	16,899	149,616
Percent Low Birth Weight (of live births, <2500 gm)	6.2%	6.4%	6.0%	6.8%
Percent High Birth Weight (of live births, ≥ 4000 gm)	11.7%	11.8%	12.3%	10.8%
Percent Small-for-Gestational-Age (of singleton live births)	7.0%	7.4%	6.8%	8.0%
Percent Preterm Births (of live births, <37 wks gestation)	9.5%	9.2%	8.2%	8.6%
Crude Birth Rate (per 1,000)	14.2	15.0	13.0	14.2
General Fertility Rate (per 1,000 women 15-49 yr)	52.7	55.3	53.2	54.4
Teen Birth Rate (per 1,000 women 15-19 yr)	20.7	24.6	23.4	20.1
Percent Maternal Prenatal Smoking (of deliveries) (2006-2008)	22.8%	26.0%	26.2%	18.1%
Life Expectancy (yrs) at Birth (based on 2007-2009 death data)	80.9	80.6	79.6	80.7
Life Expectancy at Birth for Males (yrs)	78.6	78.1	77.3	78.4
Life Expectancy at Birth for Females (yrs)	82.9	82.8	82.0	82.9
<b>Deaths 2007 – 2009</b>				
Infant Mortality Rate (per 1,000 live births) (2005-2009)	4.3	5.5	7.1	6.0
Number of Deaths (2009)	344	489	3,206	20,765
Number of Deaths (2007-2009)	1,031	1,496	9,781	61,566
Top 7 Causes of Death (2007-2009)	Circulatory (31.0%)	Circulatory (31.5%)	Circulatory (32.9%)	Circulatory (31.5%)
	Cancer (27.6%)	Cancer (27.2%)	Cancer (26.2%)	Cancer (27.3%)
	Respiratory (8.5%)	Respiratory (8.1%)	Respiratory (9.0%)	Respiratory (9.1%)
	Mental & Behavioral (5.4%)	Mental & Behavioral (4.8%)	Unintentional Injury (4.7%)	Mental & Behavioral (4.7%)
	Digestive (4.6%)	Nervous System (4.6%)	Nervous System (4.3%)	Unintentional Injury (4.4%)
	Nervous System (4.4%)	Digestive (4.2%)	Mental & Behavioral (4.2%)	Digestive (4.2%)
	Unintentional Injury (3.9%)	Unintentional Injury (4.0%)	Digestive (3.9%)	Nervous System (4.0%)

**Table 28: Summary of Health Indicators for Central Zone Residents (Z3.7BC – Alberta)**

Health Summary Indicators	Z3.7BC	City of Red Deer	CENTRAL ZONE	ALBERTA
<b>Deaths 2007 – 2009 Age Standardized Rates (per 100,000) to 1991 Canadian Population</b>				
All Cause Death Rate	529.4	543.0	584.2	534.8
All Cause Death Rate for Males	649.9	671.6	709.8	654.1
All Cause Death Rate for Females	439.9	447.3	476.2	437.3
Ischaemic Heart Disease (IHD) Death Rate	96.1	100.9	102.5	94.5
IHD Death Rate for Males	121.8	129.0	134.7	128.4
IHD Death Rate for Females	76.4	77.3	73.3	66.7
All Heart Disease Death Rate	115.6	124.0	131.4	120.8
All Heart Disease Death Rate for Males	148.3	156.7	167.6	156.9
All Heart Disease Death Rate for Females	90.8	97.4	99.0	91.1
Cancer Death Rate	154.8	154.0	161.7	151.8
Cancer Death Rate for Males	173.5	179.8	190.0	180.2
Cancer Death Rate for Females	144.2	139.1	139.9	130.9
Respiratory Death Rate	44.3	44.0	50.2	48.0
Respiratory Death Rate for Males	58.5	57.0	61.6	62.1
Respiratory Death Rate for Females	35.2	36.2	42.8	38.9
Suicide Rate	14.6*	14.7	15.6	12.6
Suicide Rate for Males	16.8*	20.7*	24.0	19.2
Suicide Rate for Females	13.0*	9.2*	7.2	6.2
Unintentional Injury Death Rate	22.0	21.5	32.3	24.5
Unintentional Injury Death Rate for Males	36.8*	35.7	47.9	35.5
Unintentional Injury Death Rate for Females	9.7*	9.2*	17.4	14.4
Lung Cancer Death Rate	39.8	39.7	40.9	38.5
Lung Cancer Death Rate for Males	48.2*	47.2	49.4	45.4
Lung Cancer Death Rate for Females	34.1*	34.7	33.9	33.3
Colorectal Cancer Death Rate	18.0*	18.7	19.7	17.2
Colorectal Cancer Death Rate for Males	20.6*	22.4*	23.7	21.6
Colorectal Cancer Death Rate for Females	17.0*	16.5*	16.0	13.5
Breast Cancer Death Rate for Females	19.8*	20.4*	23.2	19.6

**Table 28: Summary of Health Indicators for Central Zone Residents (Z3.7BC – Alberta)**

Health Summary Indicators	Z3.7BC	City of Red Deer	CENTRAL ZONE	ALBERTA
<b>Deaths 2007 – 2009 Age Standardized Rates (per 100,000) to 1991 Canadian Population (continued)</b>				
Prostate Cancer Death Rate for Males	21.5*	20.4*	26.8	22.8
Stroke Death Rate	29.6	30.9	33.9	28.5
Stroke Death Rate for Males	31.4*	34.5	38.6	31.0
Stroke Death Rate for Females	28.9*	29.0	30.2	26.3
COPD Death Rate	26.3	24.4	27.9	24.9
COPD Death Rate for Males	43.8*	36.8	34.6	32.2
COPD Death Rate for Females	15.3*	16.8*	23.6	20.4
<b>Hospitalizations 2007 – 2009</b>				
Number of Hospitalizations (2009)	6,718	10,552	55,540	361,058
Number of Hospitalizations (2007-2009)	20,179	31,270	167,435	1,068,632
Percent of hospitalizations that are birth or pregnancy related (2007-2009)	22.3%	23.5%	19.5%	26.5%
Top 7 overall reasons for Hospitalization (2007-2009)	Obstetric Related (13.7%)	Obstetric Related (14.4%)	Obstetric Related (11.6%)	Obstetric Related (15.3%)
	Circulatory (9.4%)	Birth Event (9.1%)	Digestive (9.6%)	Birth Event (11.2%)
	Birth Event (8.6%)	Circulatory (9.1%)	Circulatory (9.3%)	Digestive (8.5%)
	Digestive (8.6%)	Digestive (8.4%)	Birth Event (7.9%)	Circulatory (7.9%)
	Mental & Behavioral (7.1%)	Mental & Behavioral (7.5%)	Respiratory (7.2%)	Respiratory (6.5%)
	Respiratory (6.0%)	Respiratory (6.0%)	Health Status (6.6%)	Health Status (6.3%)
	Genitourinary (5.9%)	Genitourinary (5.7%)	Unintentional Injury (6.1%)	Unintentional Injury (5.6%)
<b>Hospitalizations 2007 – 2009 Age Standardized Rates (per 1,000) to 1991 Canadian Population</b>				
Hospitalization Rate (including birth/pregnancy)	115.4	116.6	123.8	101.8
Hospitalization Rate for Males (including births)	104.7	104.3	107.7	86.6
Hospitalization Rate for Females (including birth/pregnancy)	128.5	131.1	140.7	117.6
Hospitalization Rate (excluding birth/pregnancy)	87.9	89.3	94.4	72.2
Hospitalization Rate for Males (excluding births)	95.7	95.3	98.4	75.8
Hospitalization Rate for Females (excluding birth/pregnancy)	81.9	84.6	90.9	69.2

**Table 28: Summary of Health Indicators for Central Zone Residents (Z3.7BC – Alberta)**

Health Summary Indicators	Z3.7BC	City of Red Deer	CENTRAL ZONE	ALBERTA
<b>Emergency Department (ED) Visits 2009</b>				
Number of Emergency Department (ED) Visits	28,619	46,195	372,116	2,084,333
Top 7 overall reasons for ED visits	Unintentional Injury (22.8%)	Unintentional Injury (22.7%)	Health Status (18.1%)	Unintentional Injury (18.9%)
	Signs & Symptoms (20.1%)	Signs & Symptoms (19.8%)	Unintentional Injury (18.0%)	Signs & Symptoms (14.0%)
	Health Status (13.9%)	Health Status (13.8%)	Respiratory (13.7%)	Health Status (13.9%)
	Respiratory (8.5%)	Respiratory (8.9%)	Signs & Symptoms (12.2%)	Respiratory (13.8%)
	Digestive (4.8%)	Digestive (4.9%)	Digestive (5.1%)	Digestive (5.5%)
	Musculoskeletal (4.2%)	Musculoskeletal (4.1%)	Musculoskeletal (5.0%)	Musculoskeletal (5.0%)
	Genitourinary (3.9%)	Genitourinary (3.9%)	Genitourinary (4.1%)	Genitourinary (4.5%)
<b>ED Visits 2009 Age Standardized Rates (per 1,000) to 1991 Canadian Population</b>				
ED Visit Rate	482.7	501.5	840.5	579.1
ED Visit Rate for Males	495.1	511.6	813.8	565.1
ED Visit Rate for Females	471.3	492.0	869.1	594.6

Source: Please refer to Appendix 1 – Data Sources and Definitions

## [Appendix 1 – Data Sources and Definitions](#)