

# 2016 Alberta Labour Force Profiles Aged 45 and older

## Alberta Highlights

### Population Statistics

#### lowest

percentage of workers aged 45 and older in the working age population

- |     |       |     |
|-----|-------|-----|
| 1.  | 58.9% | NFL |
| 2.  | 58.8% | NB  |
| 9.  | 49.8% | SK  |
| 10. | 45.6% | AB  |

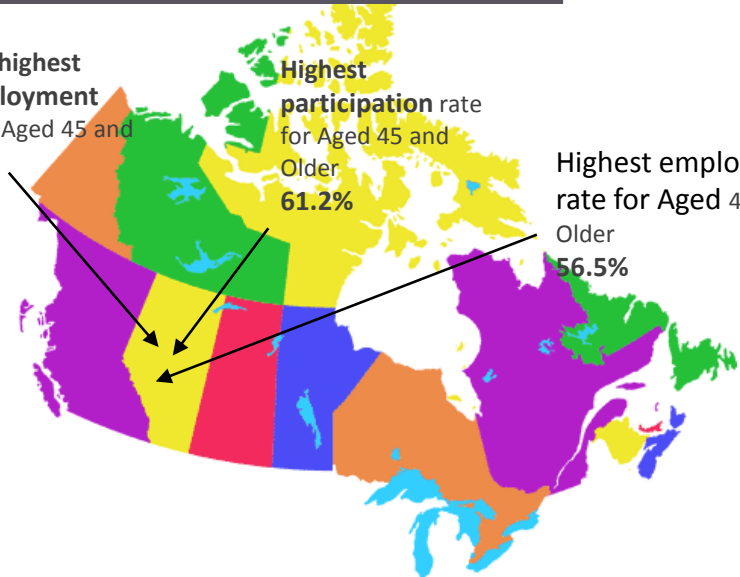
Between 2006-16 Alberta's population of workers aged 45 and older grew by **32.9%** or **383,700**.

### Labour Force Statistics

**Fourth highest unemployment rate** for Aged 45 and Older **7.7%**

**Highest participation rate** for Aged 45 and Older **61.2%**

**Highest employment rate** for Aged 45 and Older **56.5%**



### Industry

**73.9%** of Albertans aged 45 and older were employed in **the Services-Producing sector**.

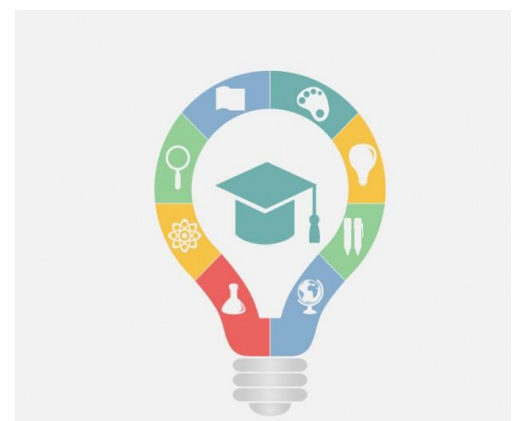
**61.8%** of all Albertans employed in **the Agricultural Industry** were aged 45 and older.

### Education

The number of **Albertans aged 45 and older** with post-secondary education **increased by 256,700 or 81.9%** from 2006 to 2016.

In Alberta **23.4%** of **workers aged 45 and older** have a university degree, less than the provincial share at 25.0%.

**Albertans aged 45 and older** made up **46.2%** of all employees with less than a high school education.



### Employment



**82.0%** of workers aged 45 and older were in full-time employment

# Population Statistics

For the purpose of this labour force profile, working age population (or WAP) refers to people who are 15 years and older (please refer to the Appendix for definitions).

Alberta had the lowest proportion of people aged 45 and older in its working age population in 2016 at 45.6%, up from 43.3% in 2006 (Table 1). Newfoundland and Labrador had the highest proportion at 58.9%.

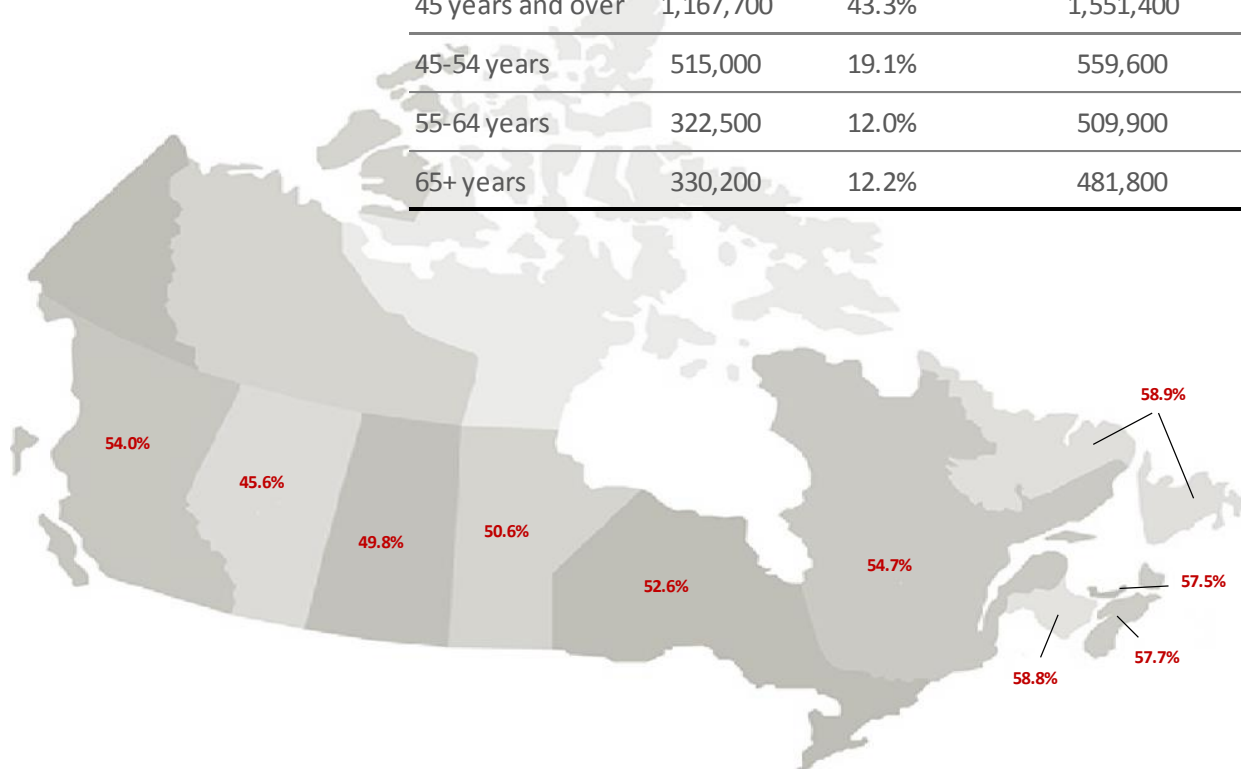
Albertans aged 45 to 54 accounted for 16.5% of the working age population in 2016, down from 19.1% in 2006 (Table 2). Those aged 55 to 64 years were 15.0% of Alberta's working age population in 2016 compared to 12.0% in 2006. Albertans aged 65 years and over accounted for 14.2% of working age population in 2016 compared to 12.2% in 2006.

People Aged 45 and Older, Canada and the Provinces, 2006 and 2016 Table 1

	2006			2016		
	15+ years	45+ years	% 45+ years	15+ years	45+ years	% 45+ years
Canada	26,115,500	12,614,400	48.3%	29,587,100	15,591,200	52.7%
Newfoundland and Labrador	425,600	218,900	51.4%	444,300	261,800	58.9%
Prince Edward Island	112,000	57,000	50.9%	121,800	70,000	57.5%
Nova Scotia	763,900	396,000	51.8%	788,700	455,000	57.7%
New Brunswick	606,600	313,100	51.6%	623,400	366,300	58.8%
Quebec	6,226,700	3,128,200	50.2%	6,887,900	3,766,800	54.7%
Ontario	10,200,000	4,803,400	47.1%	11,523,400	6,058,900	52.6%
Manitoba	891,900	440,400	49.4%	999,000	505,400	50.6%
Saskatchewan	749,200	376,500	50.3%	869,000	433,100	49.8%
Alberta	2,697,900	1,167,700	43.3%	3,398,800	1,551,400	45.6%
British Columbia	3,441,700	1,713,200	49.8%	3,930,700	2,122,600	54.0%

Albertans Aged 45 and Older, by Age Group, 2006 and 2016 Table 2

	2006		2016	
	Number	% of WAP	Number	% of WAP
45 years and over	1,167,700	43.3%	1,551,400	45.6%
45-54 years	515,000	19.1%	559,600	16.5%
55-64 years	322,500	12.0%	509,900	15.0%
65+ years	330,200	12.2%	481,800	14.2%



In 2006, the working age population in Alberta was over 2.6 million (Table 3). By 2016, it had increased by 26.0% to over 3.3 million. In the last 10 years, Canadians aged 45 and older increased by 23.6%, or approximately 3.0 million people. Albertans aged 45 years and over accounted for 11.1% of the total Canadian increase within this age group.

The growth rate of Albertans aged 45 and older was 9.3 percentage points higher than the growth rate of Canadians aged 45 and older. During the past 10 years, Albertans aged 45 and older increased by 32.9%, compared to Canada's 23.6%. However, Alberta's working age population increased by 26.0% over this period compared to the increase of 13.3% for Canada's working age population over the same period.

The population of Albertans aged 55-64 increased by 58.1% over the 10 year period compared to 8.7% for the 45-54 year olds and 45.9% for those aged 65 and over (Table 4).

## Working Age Population (15+ years), Canada and Alberta, 2006 and 2016 Table 3

	2006	2016	Growth	% Growth
Canadians	26,115,500	29,587,100	3,471,600	13.3%
Canadians Aged 45 and Older	12,614,400	15,591,200	2,976,800	23.6%
Albertans	2,697,900	3,398,800	700,900	26.0%
Albertans Aged 45 and Older	1,167,700	1,551,400	383,700	32.9%

## Growth of Albertans Aged 45 and Older by Detailed Age Group, 2006 and 2016 Table 4

	2006	2016	Growth	% Growth
45+ years	1,167,700	1,551,400	383,700	32.9%
45-54 years	515,000	559,600	44,600	8.7%
55-64 years	322,500	509,900	187,400	58.1%
65+ years	330,200	481,800	151,600	45.9%

# Labour Force Statistics

In 2016, Albertans aged 45 years and older accounted for 38.5% of the provincial labour force and 36.4% of those who were unemployed (Table 5).

In 2016, Albertans aged 65 years and over had the lowest unemployment rate at 5.0% (Table 6). However, they had the lowest participation and employment rates when compared to those aged 45-54 years and 55-64 years.

## Labour Force Statistics of Albertans Aged 45 and Older, Alberta, 2016 Table 5

	Albertans (15+ Years)	Albertans (45+ years)	Proportion of Albertans Aged 45 and Older
Working Age Population	3,398,800	1,551,400	45.6%
Labour Force	2,464,600	949,900	38.5%
Employment	2,263,800	877,000	38.7%
Unemployment	200,800	73,000	36.4%
Unemployment Rate	8.1%	7.7%	---
Participation Rate	72.5%	61.2%	---
Employment Rate	66.6%	56.5%	---

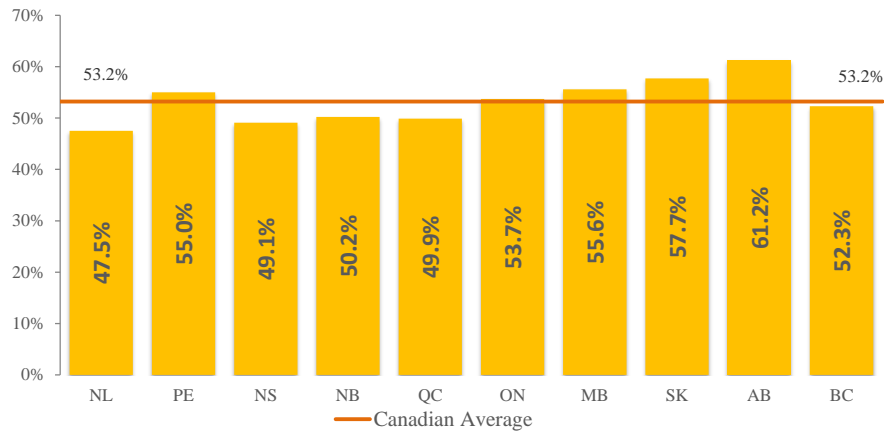
## Labour Force Characteristics of Albertans Aged 45 and Older by Age Group, 2016 Table 6

	45+ years	45-54 years	55-64 years	65+ years
Working Age Population	1,551,400	559,600	509,900	481,800
Labour Force	949,900	489,200	368,000	92,700
Employment	877,000	452,400	336,400	88,100
Unemployment	73,000	36,800	31,600	4,600
Unemployment rate	7.7%	7.5%	8.6%	5.0%
Participation rate	61.2%	87.4%	72.2%	19.2%
Employment rate	56.5%	80.8%	66.0%	18.3%

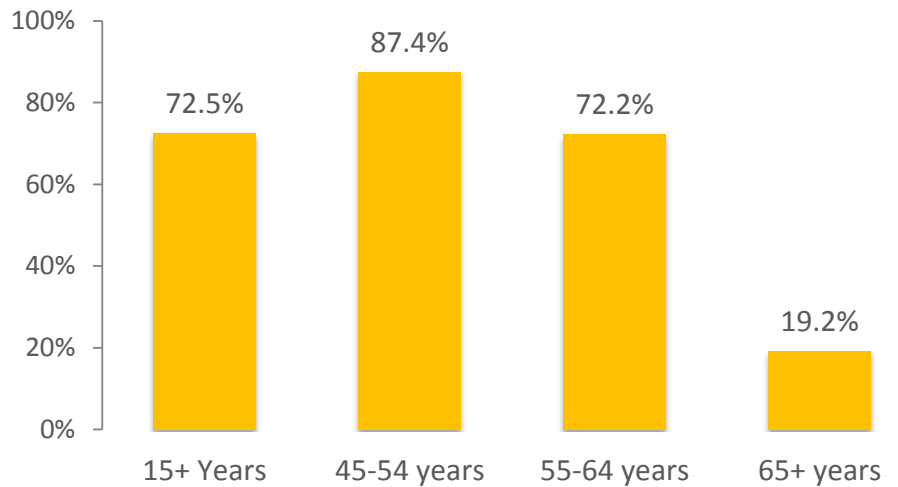
Albertans aged 45 and older had the highest participation rate in Canada at 61.2% (Figure 1). This was 8.0 percentage points higher than the rate for Canadians aged 45 and older.

The participation rate of Albertans aged 45-54, at 87.4%, was the highest among the three age groups and was 14.9 percentage points higher than the provincial rate, 72.5% (Figure 2).

Participation Rate of People Aged 45 and Older by Province, 2016 Figure 1



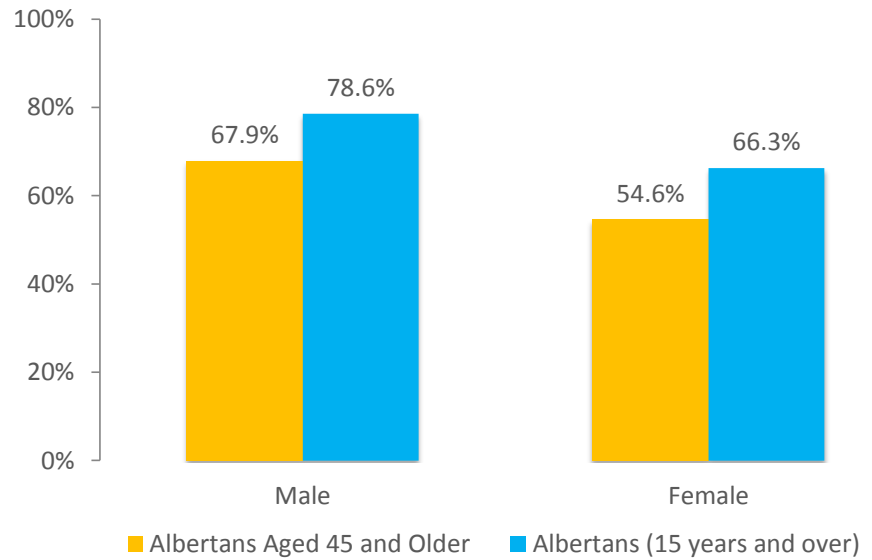
Participation Rate by Age Group, Alberta, 2016 Figure 2



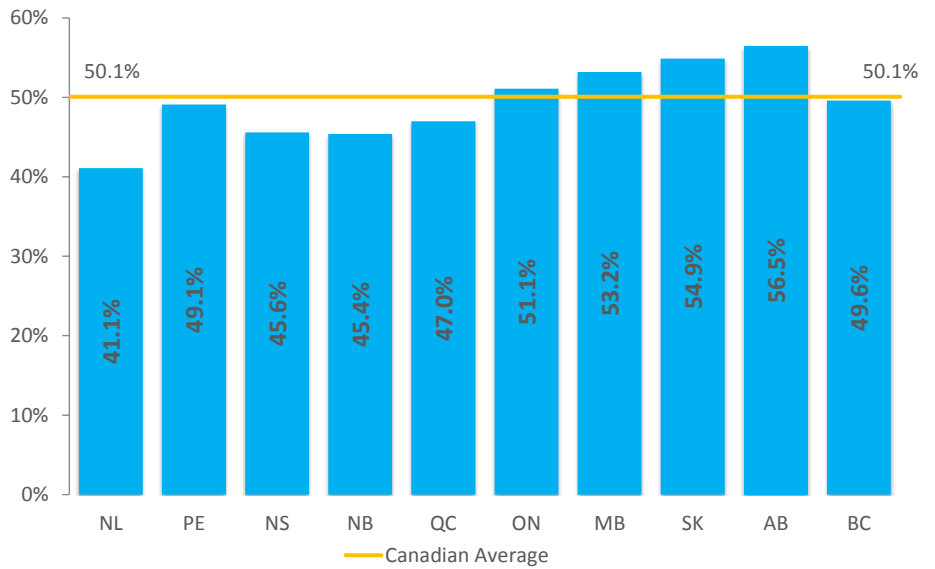
For both males and females, Albertans aged 45 and older had a lower participation rate than the provincial counterparts' average (Figure 3). Females aged 45 and older had a participation rate of 54.6%, which was 13.3 percentage points below the rate for males aged 45 and older.

In 2016, Albertans aged 45 years and older had the highest employment rate among all provinces at 56.5% (Figure 4). This was 6.4 percentage points higher than the Canadian average for people aged 45 and older.

Participation Rate by Sex Figure 3



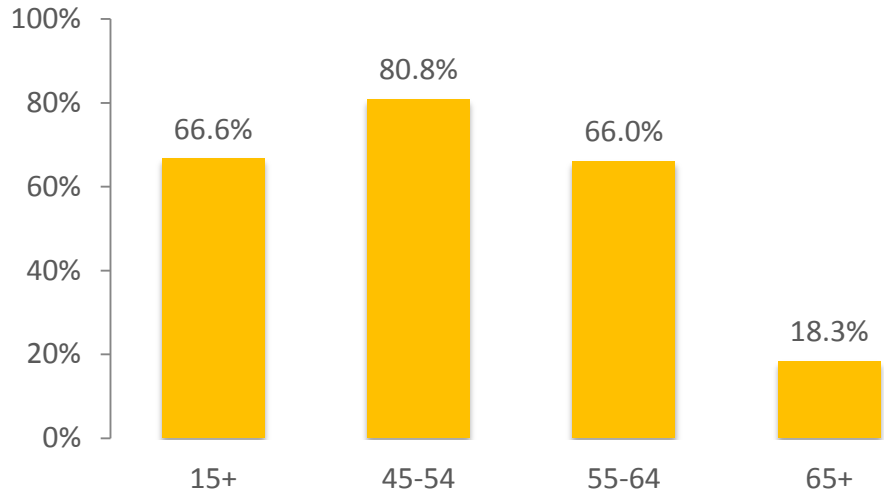
Employment Rate of People Aged 45 and Older by Province, 2016 Figure 4



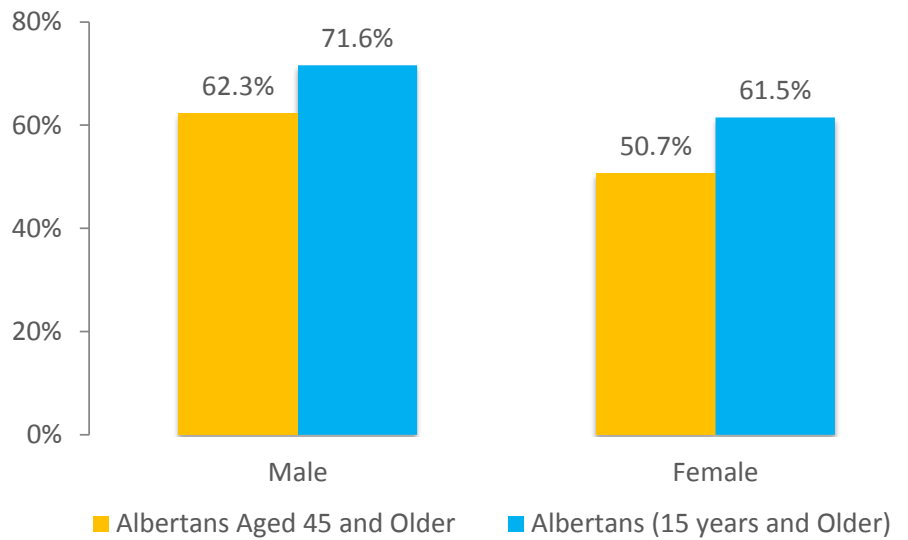
In 2016, the employment rate of Albertans aged 45-54 years at 80.8% was the highest among the three age groups and was 14.2 percentage points higher than the provincial rate at 66.6% (Figure 5).

The employment rate of females aged 45 and older was 11.6 percentage points lower than their male counterparts and 15.9 percentage points lower than the provincial rate 66.6% (Figure 6).

### Employment Rate by Age Group, 2016 Figure 5



### Employment Rate by Sex, Alberta, 2016 Figure 6



In 2016, the proportion of employment that is full-time was highest among those aged 45-54. The proportion of employment that is part-time among those aged 65 years and older was more than double the provincial level of 18.6% (Table 7).

The proportion of part-time employment among those aged 65 years and older was **more than double** the provincial level.

Albertans aged 45 and older had a higher proportion of full-time employment than Albertans aged 15 years and over (Table 8). The share of Alberta males aged 45 and older in full-time employment was 88.7% compared to 72.5% for females aged 45 and older.

## Full-time/Part-time Employment by Age Group in Alberta, 2016 Table 7

	Total Employment	Full-time		Part-time	
		Number	%	Number	%
15+	2,263,800	1,842,000	81.4%	421,800	18.6%
45+ years	877,000	719,000	82.0%	158,000	18.0%
45-54 years	452,400	395,700	87.5%	56,800	12.6%
55-64 years	336,400	270,400	80.4%	66,000	19.6%
65+ years	88,100	52,900	60.0%	35,300	40.1%

## Full-time/Part-time Employment by Sex, Alberta, 2016 Table 8

	Albertans (45+ years)		Albertans (15+ Years)	
	Employment	Proportion	Employment	Proportion
<b>Both Genders</b>	<b>877,000</b>	<b>100.0%</b>	<b>2,263,800</b>	<b>100.0%</b>
Full-time	719,000	82.0%	1,842,000	81.4%
Part-time	158,000	18.0%	421,800	18.6%
<b>Male</b>	<b>483,000</b>	<b>100.0%</b>	<b>1,233,500</b>	<b>100.0%</b>
Full-time	429,600	88.9%	1,094,700	88.7%
Part-time	53,400	11.1%	138,900	11.3%
<b>Female</b>	<b>394,000</b>	<b>100.0%</b>	<b>1,030,200</b>	<b>100.0%</b>
Full-time	289,400	73.5%	747,300	72.5%
Part-time	104,600	26.5%	282,900	27.5%

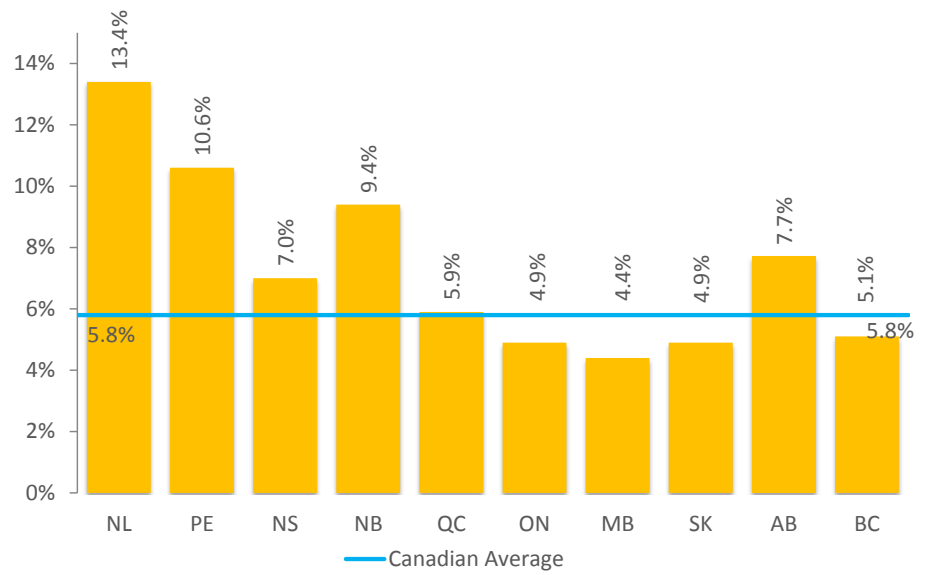


The unemployment rate of Albertans aged 45 and older was 7.7% in 2016, the fourth highest in Canada, following Newfoundland and Labrador's 13.4%, Prince Edward Island's 10.6%, and New Brunswick's 9.4% (Figure 7).

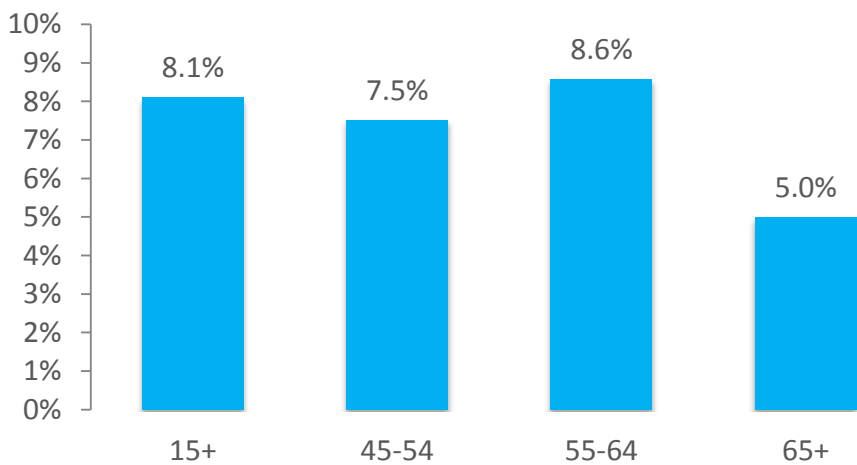
Alberta had the **fourth highest** unemployment rate in the country

The unemployment rates for Albertans aged 45-54, and 65 years and older were lower than the provincial rate at 8.1%, in 2016 (Figure 8). The unemployment rate for Albertans aged 55-64 was 0.5 percentage points higher than the provincial rate, at 8.6%.

Unemployment Rate of People Aged 45 and Older by Province, 2016 Figure 7



Unemployment Rate by Age Group, 2016 Figure 8

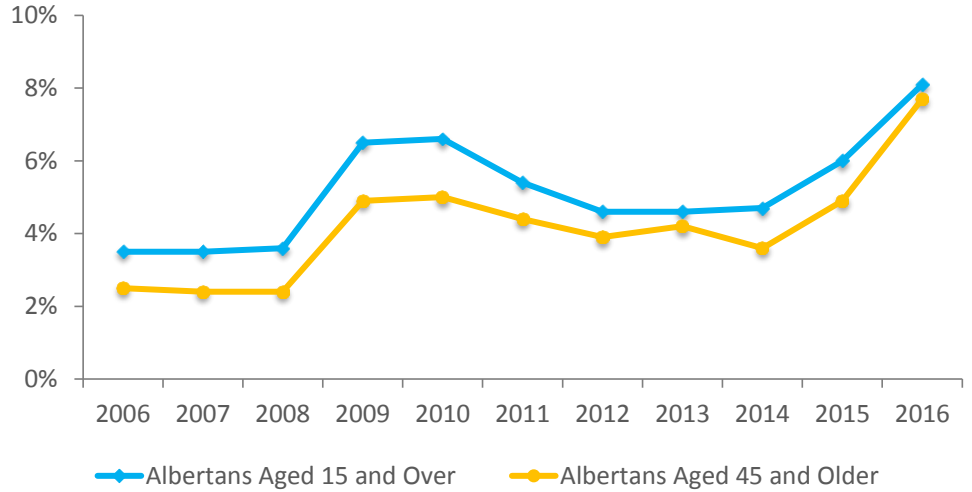


Alberta's unemployment rate at 8.1% in 2016 increased by 2.1 percentage points from the previous year (Figure 9). The rate for Albertans aged 45 and older increased by 2.8 percentage points to 7.7% in 2016 from 2015. Over the last 10 years, unemployment rate for Albertans aged 45 and older was consistently lower than the provincial rate.

Over the last 10 years, the **unemployment rate** for Albertans aged 45 and older was

**consistently lower** than the provincial rate.

Unemployment Rates, Alberta, 2006 to 2016 Figure 9



# Employment of Albertans Aged 45 and older by Industry

In 2016, 73.9% of Albertans aged 45 and older were employed in the Services-Producing sector while the rest were employed in the Goods-Producing sector (Table 9). Males accounted for 77.2% of Albertans aged 45 and older who were employed in the Goods-Producing sector and females accounted for 22.8%. In the Services-Producing sector, the male share of employed aged 45 and older was 47.3% and 52.7% were female.

Of the 394,000 employed female Albertans aged 45 and older, 58.3% were employed in the following five main industries: Health Care and Social Assistance; Retail Trade; Educational Services; Professional, Scientific and Technical Services; and Finance, Insurance, Real Estate and Leasing.

The following five industries employed 50.3% of male Albertans aged 45 and older: Construction; Transportation and Warehousing; Professional, Scientific and Technical Services; Forestry, Fishing, Mining, Oil and Gas; Manufacturing; and Professional, Scientific and Technical Services.

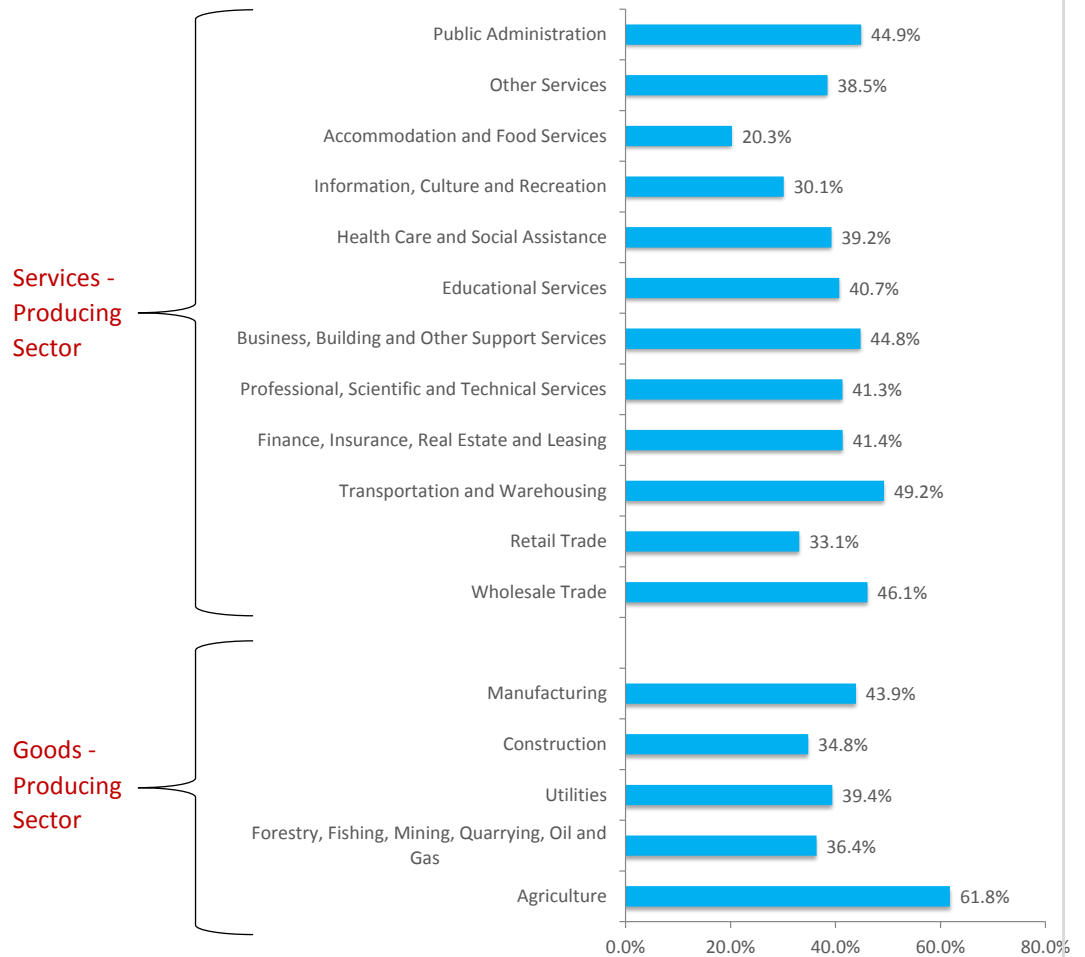
Employment of Albertans Aged 45 and Older by Industry and Sex, Alberta, 2016 Table 9

	Albertans (45+ years)	Male (45+ years)	Female (45+ years)
<b>Goods-producing sector</b>	<b>228,500</b>	<b>77.2%</b>	<b>22.8%</b>
Agriculture	31,400	72.9%	27.1%
Forestry, Fishing, Mining, Quarrying, Oil and Gas	50,900	74.5%	25.5%
Utilities	7,800	64.1%	35.9%
Construction	87,700	84.0%	15.8%
Manufacturing	50,700	73.0%	27.2%
<b>Services-producing sector</b>	<b>648,300</b>	<b>47.3%</b>	<b>52.7%</b>
Wholesale Trade	38,600	74.4%	25.6%
Retail Trade	81,600	43.6%	56.4%
Transportation and Warehousing	64,900	77.0%	23.1%
Finance, Insurance, Real Estate and Leasing	43,900	45.1%	54.9%
Professional, Scientific and Technical Services	74,100	59.6%	40.4%
Business, Building and Other Support Services	35,600	61.5%	38.5%
Educational Services	60,900	30.4%	69.6%
Health Care and Social Assistance	105,700	17.4%	82.6%
Information, Culture and Recreation	23,000	53.9%	45.7%
Accommodation and Food Services	29,300	46.4%	53.2%
Other Services	47,100	50.3%	49.7%
Public Administration	43,600	45.0%	55.0%
<b>Total</b>	<b>877,000</b>	<b>55.1%</b>	<b>44.9%</b>

In 2016, the Agricultural industry had the highest proportion of Albertans aged 45 and older, at 61.8%, followed by Transportation and Warehousing, at 49.2% (Figure 10). Accommodation and Food Services had the lowest percentage of Albertans aged 45 and older, at 20.3%, followed by Retail Trade, at 33.1%.

The Agriculture industry had the **highest proportion** of Albertans aged 45 and older in Alberta.

Share of Total Employment by Industry, Alberta, 2016 Figure 10



# Education Levels of Alberta's Labour Force Aged 45 and Older

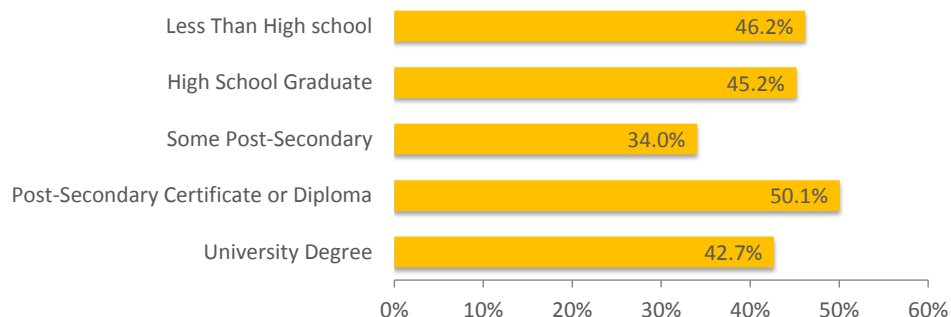
In 2016, Albertans aged 45 and older accounted for 46.2% of Albertans in the labour force who had less than high school as their highest educational attainment (Figure 11). They also accounted for 50.1% and 42.7% of Albertans in the labour force with a post-secondary certificate or diploma and university degree, respectively.

Overall, 23.4% of Albertans aged 45 and older had a university degree, less than the provincial share at 25.0%.

Between 2006 and 2016, the number of Albertans aged 45 and older in the labour force that had completed high school as their highest level of education attained increased by 28.1% compared to 17.9% for Albertans 15 and older (Table 10). Similarly, the number of people aged 45 and older in the labour force that have a university degree increased by 58.5% compared to an increase of 67.0% for Albertans 15 and older. Albertans aged 45 and over who had attained a post-secondary certificate or diploma as their highest level of education increased by 41.4% compared to the overall provincial increase of 33.8% over the same period.

Among Albertans 45 years and over, those with a post-secondary certificate or diploma had the lowest unemployment rate at 7.0%, followed by those some post-secondary education at 7.7% in 2016 (Table 11).

## Percentage of Albertans 45 and Older in the Labour Force by Education Level, 2016 **Figure 11**



## Albertans in the Labour Force by Education Level, 2006 and 2016, **Table 10**

Educational level	Albertans (15+ years)			Albertans (45+ years)		
	2006	2016	Change	2006	2016	Change
Less Than High school	298,000	244,300	-53,700	99,000	87,300	-11,700
High School Graduate	467,800	551,400	83,600	162,400	208,000	45,600
Some Post-Secondary	166,900	130,600	-36,300	39,800	40,300	500
Post-Secondary Certificate or Diploma	635,400	850,300	214,900	257,500	364,200	106,700
University Degree	411,900	688,000	276,100	157,800	250,100	92,300

## Unemployment Rate by Education Level, 2006 and 2016, **Table 11**

Educational Level	2006		2016	
	Albertans (15+ years)	Albertans (45+ years)	Albertans (15+ years)	Albertans (45+ years)
Less Than High school	3.8%	N/A	11.0%	N/A
High School Graduate	3.1%	2.3%	9.2%	8.0%
Some Post-Secondary	4.2%	N/A	9.0%	7.7%
Post-Secondary Certificate or Diploma	2.8%	2.7%	6.7%	7.0%
University Degree	2.4%	2.2%	6.4%	7.8%

# Appendix

All of the following definitions are from the **Guide to the Labour Force Survey**, Statistics Canada.

## **Employment Rate:**

The number of persons employed expressed as a percentage of the population 15 years of age and over.

## **Full-time Employment:**

Those persons who usually work 30 hours or more per week at their main or only job.

## **Industry:**

The general nature of the business carried out by the employer for whom the respondent works (main job only).

## **Labour Force:**

The labour force is the portion of the civilian, non-institutional population 15 years of age and over who, during the survey reference week, were employed or unemployed. The reference week is defined as the week, usually containing the 15th day of the month, in which information is collected for the Labour Force Survey.

## **Part-time Employment:**

Consists of all other persons who usually work less than 30 hours per week.

## **Participation Rate:**

The total labour force expressed as a percentage of the population aged 15 years and over. This measure represents the proportion of the said population that is either employed or actively seeking employment.

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## **[www.work.alberta.ca/labour.html](http://www.work.alberta.ca/labour.html)**

(See Labour Market Information)

In Edmonton: 780.422.4266

Long distance: 1.800.661.3753

## **Working Age Population:**

Those persons 15+ years except persons living on Indian reserves, inmates of institutions, and regular members of the Canadian Armed Forces.

## **Average Hourly Wage:**

Based on hourly wage before taxes and other deductions, and include tips and commissions. Only persons who are an employee are included in the average.

## **Occupation:**

The kind of work persons 15+ years were doing during the reference week, as determined by the kind of work reported and the description of the most important duties of the job. If the individual did not have a job during the reference week, the data relates to the previous job, if that job was held in the past year.