

2017 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

46.1%

Between 2007-17 Alberta's population of workers aged 45 and older grew by **30.3%** or **367,600**.

Industry

74.9% of Albertans aged 45 and older were employed in **the Services-Producing sector**.

52.1% of all Albertans employed in **the Agricultural Industry** were aged 45 and older.

Employment



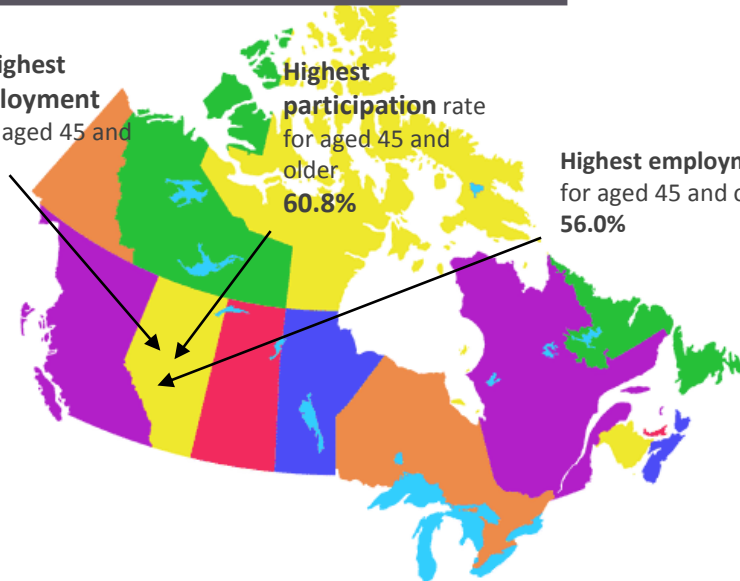
38.7% of employed Albertans are 45 and older

Labour Force Statistics

Third highest unemployment rate for aged 45 and older **7.9%**

Highest participation rate for aged 45 and older **60.8%**

Highest employment rate for aged 45 and older **56.0%**

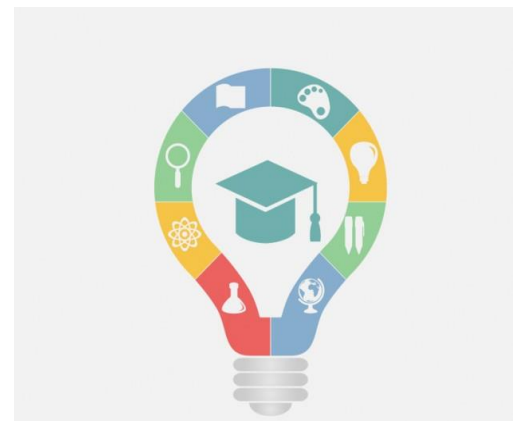


Education

The number of **Albertans aged 45 and older** in the labour force with post-secondary education **increased by 183,300 or 40.9%** from 2007 to 2017.

In Alberta **24.1%** of **workers aged 45 and older** have a university degree, less than the provincial average at **25.2%**.

Albertans aged 45 and older made up **46.6%** of all employees with less than a high school education.



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 2017 at 46.1%, up from 43.6% in 2007 (Table 1). Newfoundland and Labrador and New Brunswick had the highest proportion at 59.3%.

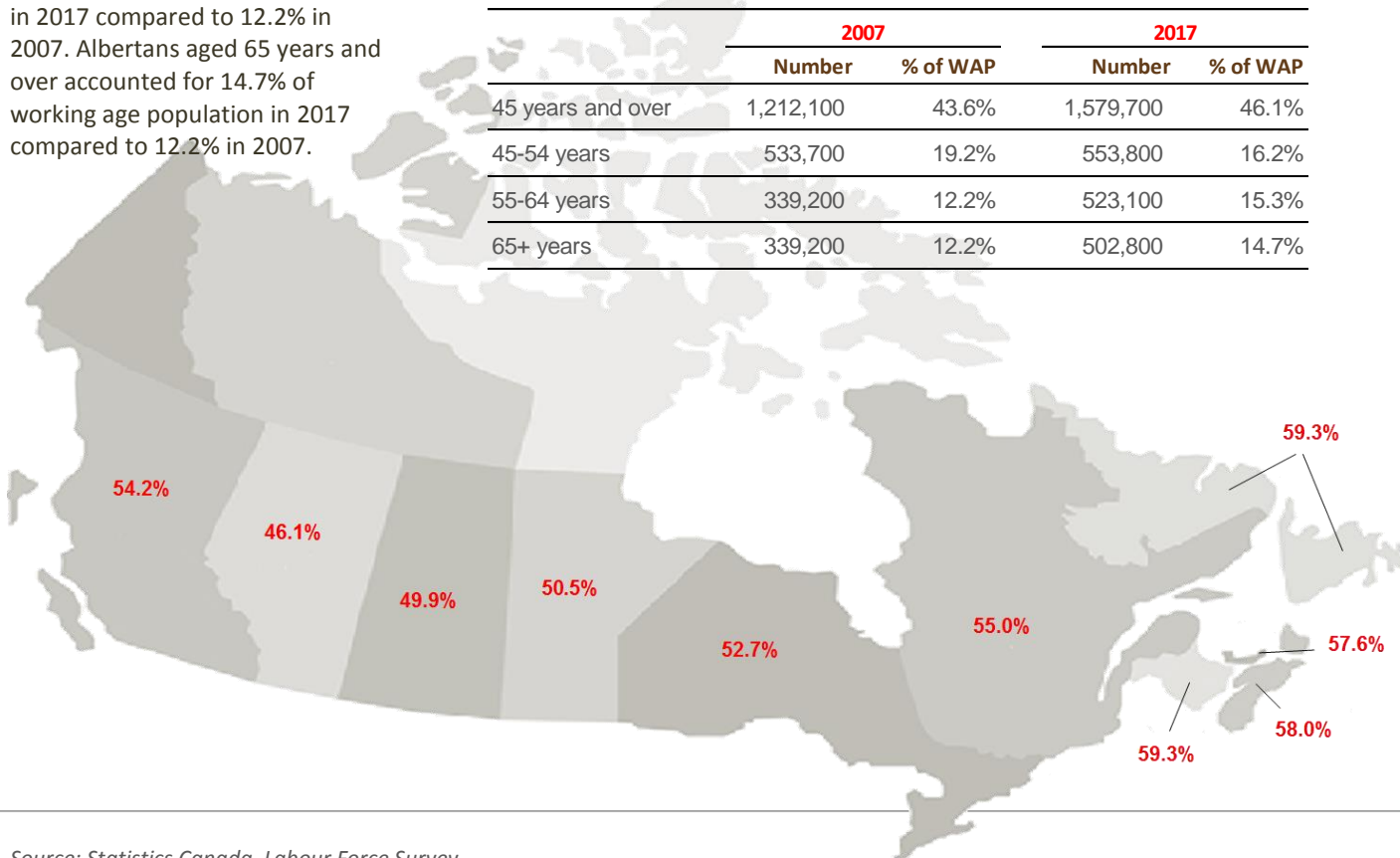
Albertans aged 45 to 54 accounted for 16.2% of the working age population in 2017, down from 19.2% in 2007 (Table 2). Those aged 55 to 64 years were 15.3% of Alberta's working age population in 2017 compared to 12.2% in 2007. Albertans aged 65 years and over accounted for 14.7% of working age population in 2017 compared to 12.2% in 2007.

People aged 45 and older, Canada and the provinces, 2007 and 2017 Table 1

	2007			2017		
	15+ years	45+ years	% 45+ years	15+ years	45+ years	% 45+ years
Canada	26,461,700	12,967,500	49.0%	29,901,700	15,818,400	52.9%
Newfoundland and Labrador	425,500	223,300	52.5%	445,500	264,400	59.3%
Prince Edward Island	112,400	58,500	52.0%	123,700	71,300	57.6%
Nova Scotia	765,000	403,900	52.8%	792,500	459,500	58.0%
New Brunswick	607,800	319,500	52.6%	624,700	370,300	59.3%
Quebec	6,302,500	3,211,400	51.0%	6,931,900	3,809,600	55.0%
Ontario	10,321,100	4,947,200	47.9%	11,684,800	6,158,000	52.7%
Manitoba	898,900	448,200	49.9%	1,013,300	511,500	50.5%
Saskatchewan	758,300	384,500	50.7%	876,800	437,600	49.9%
Alberta	2,777,600	1,212,100	43.6%	3,428,800	1,579,700	46.1%
British Columbia	3,492,500	1,759,000	50.4%	3,979,700	2,156,400	54.2%

Albertans aged 45 and older, by age group, 2007 and 2017 Table 2

	2007		2017	
	Number	% of WAP	Number	% of WAP
45 years and over	1,212,100	43.6%	1,579,700	46.1%
45-54 years	533,700	19.2%	553,800	16.2%
55-64 years	339,200	12.2%	523,100	15.3%
65+ years	339,200	12.2%	502,800	14.7%



In 2007, the working age population in Alberta was approximately 2.8 million (Table 3). By 2017, it had increased by 23.4% to approximately 3.4 million. In the last 10 years, Canadians aged 45 and older increased by 22.0%, or approximately 2.8 million people. Albertans aged 45 years and over accounted for 12.9% of the total Canadian increase within this age group.

The growth rate of Albertans aged 45 and older was 8.3 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 30.3%, compared to Canada's 22.0%. However, Alberta's working age population increased by 23.4% over this period compared to the increase of 13.0% for Canada's working age population over the same period.

The population of Albertans aged 55-64 increased by 54.2% over the 10 year period compared to 3.8% for the 45-54 year olds and 48.2% for those aged 65 and over (Table 4).

Working age population (15+ years), Canada and Alberta, 2007 and 2017 Table 3

	2007	2017	Growth	% Growth
Canadians	26,461,700	29,901,700	3,440,000	13.0%
Canadians Aged 45 and Older	12,967,500	15,818,400	2,850,900	22.0%
Albertans	2,777,600	3,428,800	651,200	23.4%
Albertans Aged 45 and Older	1,212,100	1,579,700	367,600	30.3%

Growth of Albertans aged 45 and older by detailed age group, 2007 and 2017 Table 4

	2007	2017	Growth	% Growth
45+ years	1,212,100	1,579,700	367,600	30.3%
45-54 years	533,700	553,800	20,100	3.8%
55-64 years	339,200	523,100	183,900	54.2%
65+ years	339,200	502,800	163,600	48.2%

Labour Force Statistics

In 2017, Albertans aged 45 years and older accounted for 38.7% of the provincial labour force and 38.9% of those who were unemployed (Table 5).

Labour force statistics of Albertans aged 45 and older, Alberta, 2017 Table 5

	Albertans (15+ Years)	Albertans (45+ years)	Proportion of Albertans Aged 45 and Older
Working Age Population	3,428,800	1,579,700	46.1%
Labour Force	2,481,700	960,400	38.7%
Employment	2,286,900	884,500	38.7%
Unemployment	194,700	75,800	38.9%
Unemployment Rate	7.8%	7.9%	---
Participation Rate	72.4%	60.8%	---
Employment Rate	66.7%	56.0%	---

Albertan's 45 years and older made up

38.7%

of labour force

in Alberta

38.7%

of employed

38.9%

of unemployed

In 2017, Albertans aged 65 years and over had the lowest unemployment rate at 7.2% (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 characteristics of Albertans aged 45 and older by age group, 2017 Table 6

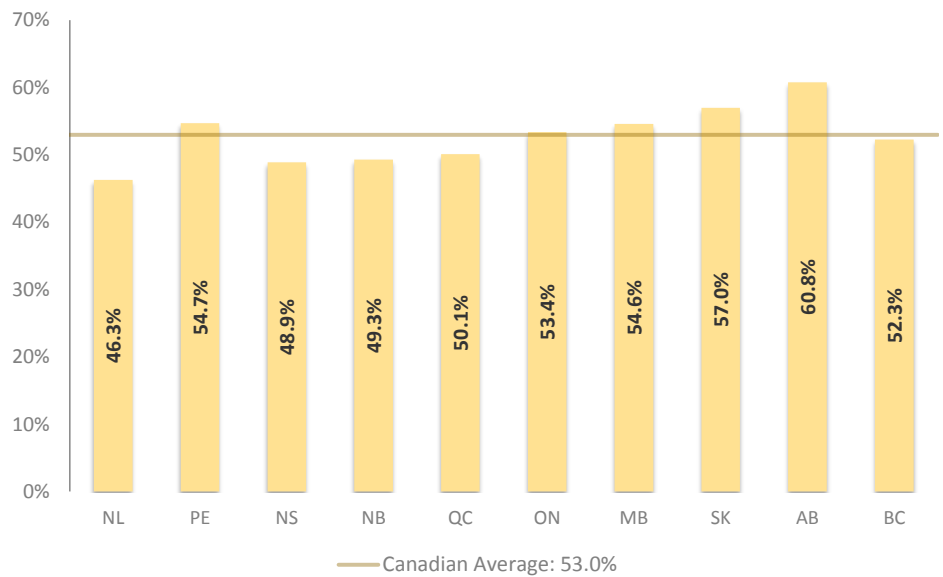
	45+ years	45-54 years	55-64 years	65+ years
Working Age Population	1,579,700	553,800	523,100	502,800
Labour Force	960,400	482,200	379,400	98,600
Employment	884,500	446,400	346,700	91,500
Unemployment	75,800	35,800	32,800	7,100
Unemployment rate	7.9%	7.4%	8.6%	7.2%
Participation rate	60.8%	87.1%	72.5%	19.6%
Employment rate	56.0%	80.6%	66.3%	18.2%

Highest

participation rate in the country

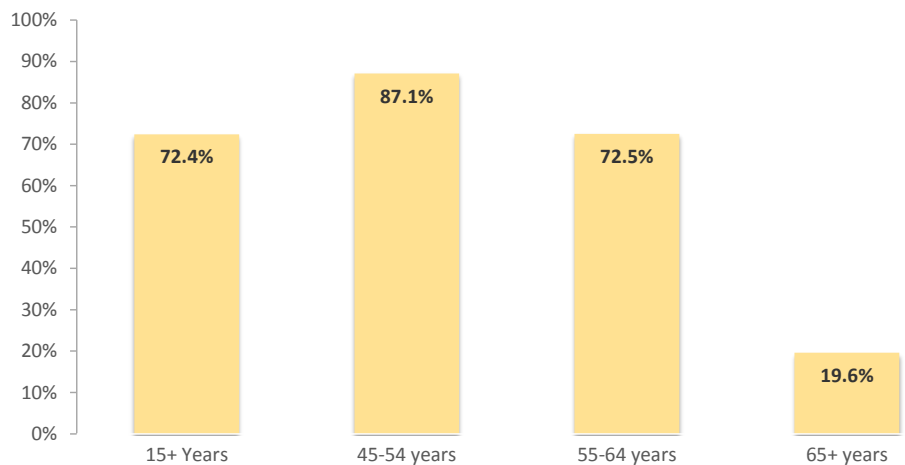
Albertans aged 45 and older had the highest participation rate in Canada at 60.8% (Figure 1). This was 7.8 percentage points higher than the rate for Canadians aged 45 and older.

Participation rate of people aged 45 and older by province, 2017 Figure 1



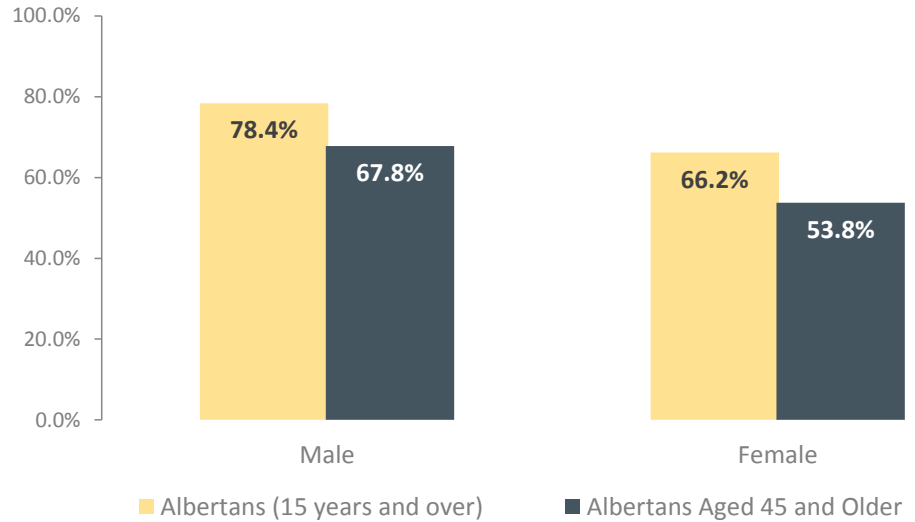
The participation rate of Albertans aged 45-54, at 87.1%, was the highest among the three age groups and was 14.7 percentage points higher than the provincial rate, 72.4% (Figure 2).

Participation rate by Age group, Alberta, 2017 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 53.8%, which was 14.0 percentage points below the rate for males aged 45 and older.

Participation rate by sex Figure 3

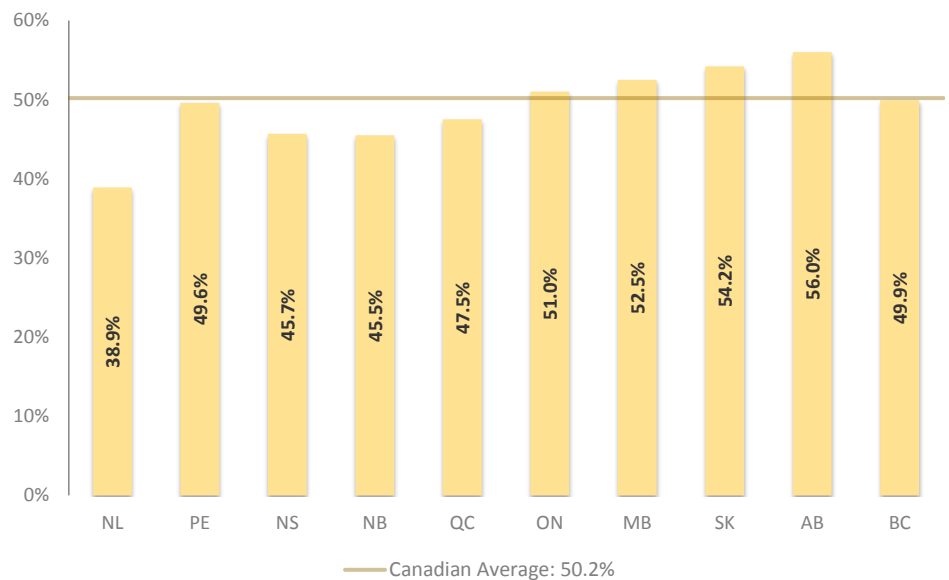


Highest

Employment rate in the country

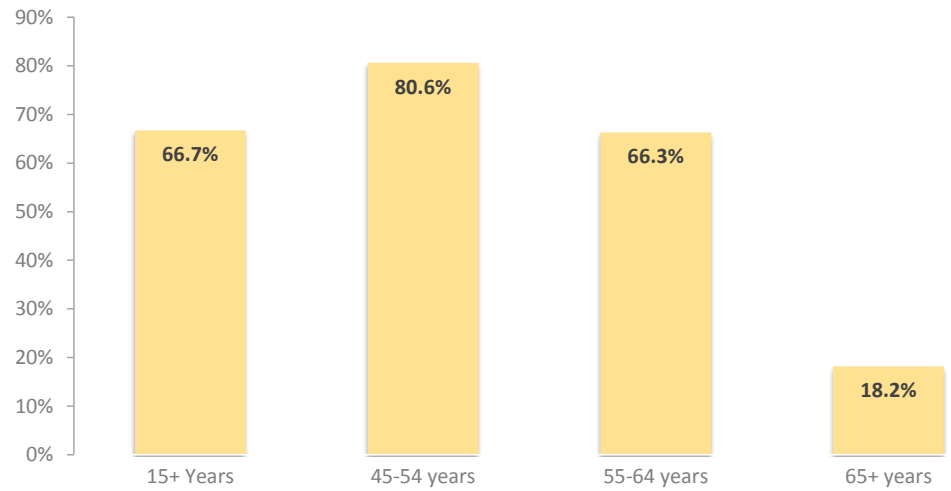
In 2017, Albertans aged 45 years and older had the **highest employment rate among all provinces at 56.0%** (Figure 4). This was 5.8 percentage points higher than the Canadian average for people aged 45 and older.

Employment rate of people aged 45 and older by province, 2017 Figure 4



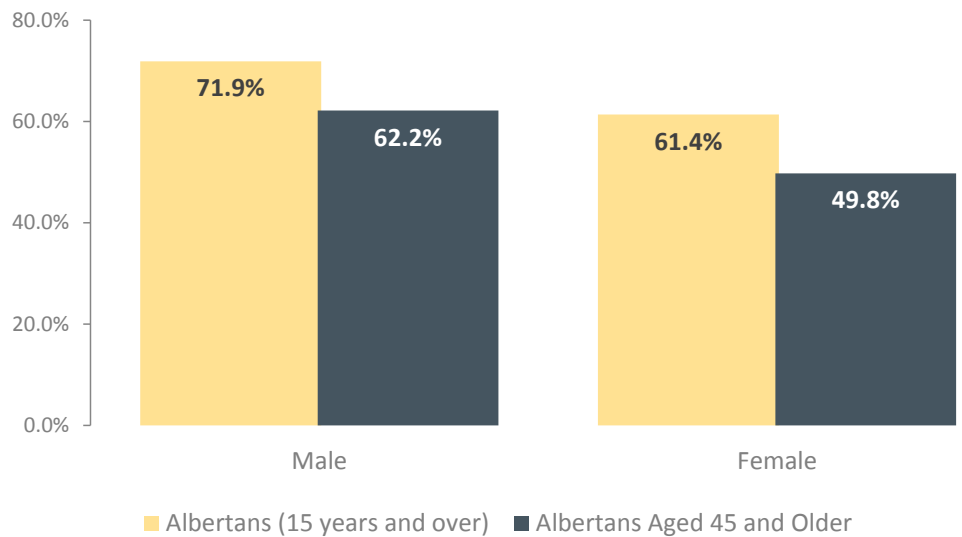
In 2017, the employment rate of Albertans aged 45-54 years at 80.6% was the highest among the three age groups and was 13.9 percentage points higher than the provincial rate at 66.7% (Figure 5).

Employment rate by age group, 2017 Figure 5



The employment rate of females aged 45 and older was 12.4 percentage points lower than their male counterparts and 16.9 percentage points lower than the provincial rate 66.7% (Figure 6).

Employment rate by sex, Alberta, 2017 Figure 6



The proportion of part-time employment among those aged 65 years and older was

almost double the provincial level.

In 2017, the proportion of full-time employment was highest among those aged 45-54. The proportion part-time of employment among those aged 65 years and older at 39.6% was almost double the provincial level of 18.4% (Table 7).

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 90.0% compared to 73.3% for females aged 45 and older.

Full-time/part-time employment by age group in Alberta, 2017 Table 7

	Total	Full-time		Part-time	
	Employment	Number	%	Number	%
15+	2,286,900	1,865,500	81.6%	421,400	18.4%
45+ years	884,500	730,200	82.6%	154,300	17.4%
45-54 years	446,400	392,000	87.8%	54,300	12.2%
55-64 years	346,700	282,900	81.6%	63,800	18.4%
65+ years	91,500	55,300	60.4%	36,200	39.6%

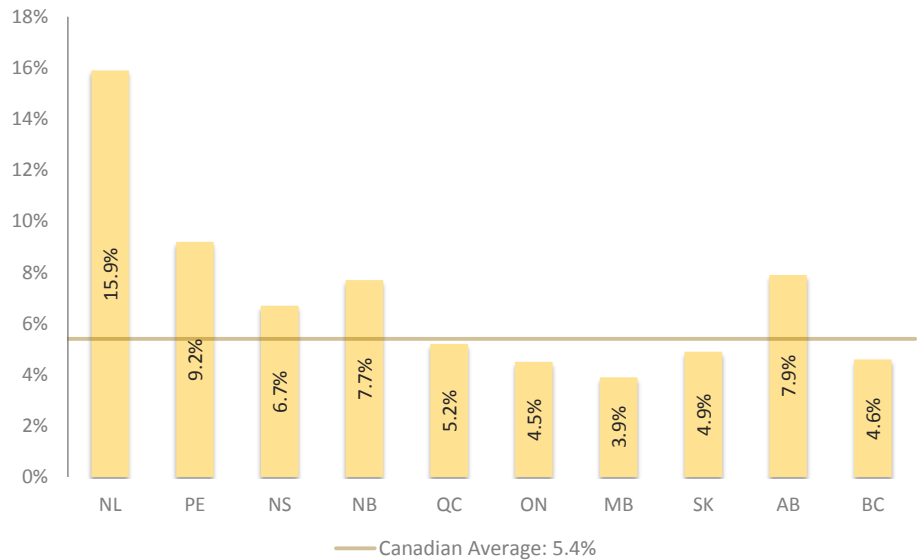
Full-time/part-time employment by sex, Alberta, 2017 Table 8

	Albertans (45+ years)		Albertans (15+ Years)	
	Employment	Proportion	Employment	Proportion
Both Genders	884,500	100.0%	2,286,900	100.0%
Full-time	730,200	82.6%	1,865,500	81.6%
Part-time	154,300	17.4%	421,400	18.4%
Male	490,200	100.0%	1,247,600	100.0%
Full-time	441,100	90.0%	1,116,900	89.5%
Part-time	49,100	10.0%	130,700	10.5%
Female	394,300	100.0%	1,039,400	100.0%
Full-time	289,100	73.3%	748,600	72.0%
Part-time	105,200	26.7%	290,700	28.0%

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

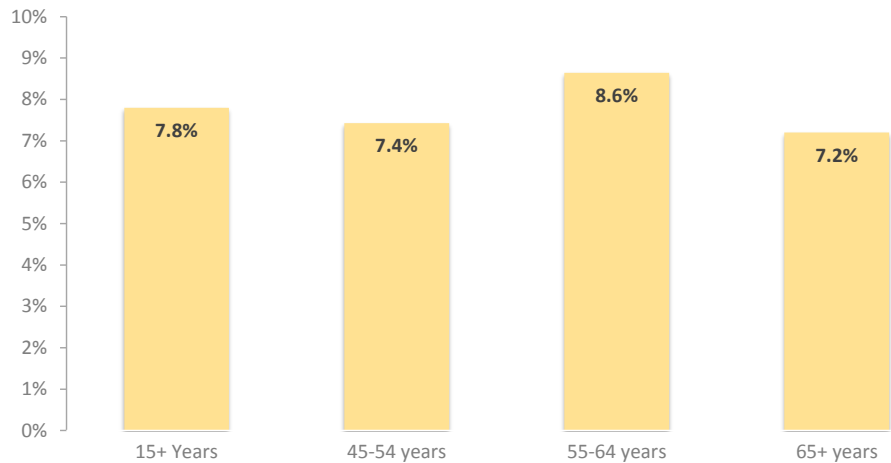
The unemployment rate of Albertans aged 45 and older was 7.9% in 2017, the third highest in Canada, following Newfoundland and Labrador's 15.9% and Prince Edward Island's 9.2%, (Figure 7).

Unemployment rate of people aged 45 and older by province, 2017 Figure 7



The unemployment rates for Albertans aged 45-54, and 65 years and older were lower than the provincial rate at 7.8%, in 2017 (Figure 8). The unemployment rate for Albertans aged 55-64 was 0.8 percentage points higher than the provincial rate, at 7.8%.

Unemployment rate by age group, 2017 Figure 8



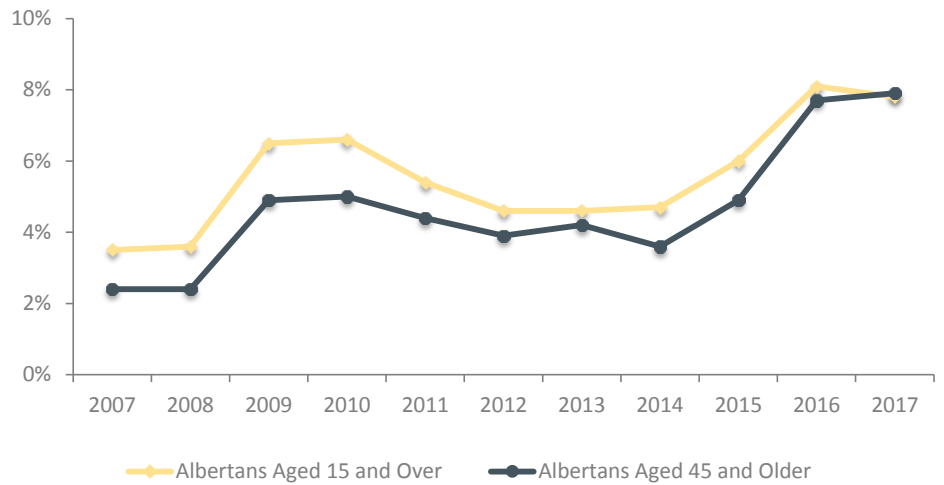
Over the last 10 years, the **unemployment rate** for Albertans aged 45 and older was

consistently

lower than the provincial rate except in 2017.

Alberta's unemployment rate at 7.8% in 2017 decreased by 0.3 percentage points from the previous year (Figure 9). The rate for Albertans aged 45 and older increased by 0.2 percentage points to 7.9% in 2017 from 2016. Over nine of the last 10 years, the unemployment rate for Albertans aged 45 and older was consistently lower than the provincial rate except for 2017.

Unemployment rates, Alberta, 2007 to 2017 Figure 9



Industry

Males accounted for 79.2% of Albertans aged 45 and older who were employed in the Goods-Producing sector while females accounted for 20.8%. In the Services-Producing sector, the male share of employed aged 45 and older was 47.5% while 52.5% were female (table 9).

Of the 394,300 employed female Albertans aged 45 and older, 60.6% were employed in the following five main industries: Health Care and Social Assistance; Educational Services; Retail Trade; Professional, Scientific and Technical Services; and Finance, Insurance, Real Estate and Leasing.

The following five industries employed 50.9% of male Albertans aged 45 and older: Construction; Transportation and Warehousing; Professional, Scientific and Technical Services; Forestry, Fishing, Mining, Oil and Gas; and Manufacturing.

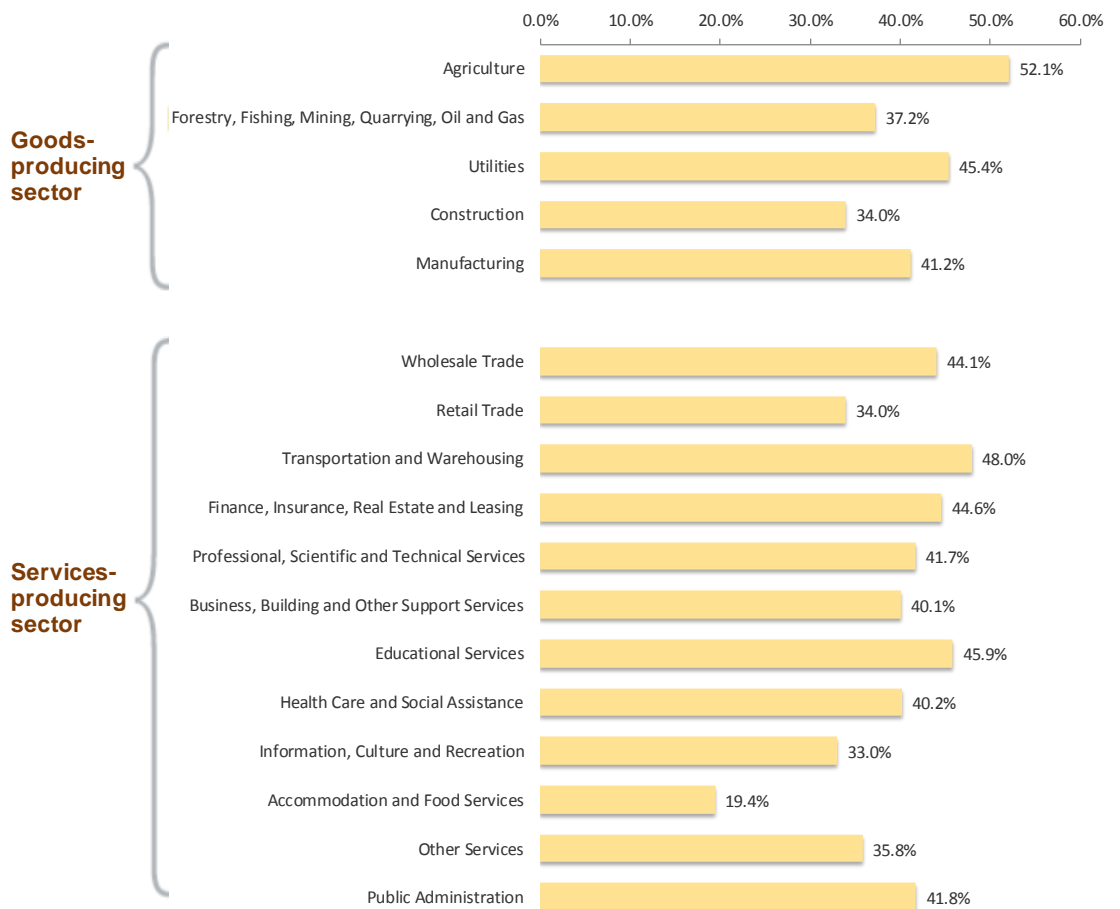
Employment of Albertans aged 45 and older by industry and sex, Alberta, 2017 Table 9

Industry	Albertans (45+ years)	Male (45+ years)	Female (45+ years)
Goods-producing sector	221,700	79.2%	20.8%
Agriculture	27,200	71.2%	28.8%
Forestry, Fishing, Mining, Quarrying, Oil and Gas	54,000	78.6%	21.4%
Utilities	9,600	68.5%	31.5%
Construction	82,000	84.6%	15.4%
Manufacturing	48,900	77.3%	22.7%
Services-producing sector	662,800	47.5%	52.5%
Wholesale Trade	41,200	80.4%	19.6%
Retail Trade	82,100	42.2%	57.8%
Transportation and Warehousing	67,200	80.5%	19.5%
Finance, Insurance, Real Estate and Leasing	48,000	43.9%	56.1%
Professional, Scientific and Technical Service	74,500	61.6%	38.4%
Business, Building and Other Support Service	32,400	53.0%	47.0%
Educational Services	70,200	31.3%	68.7%
Health Care and Social Assistance	110,200	20.5%	79.5%
Information, Culture and Recreation	24,200	47.0%	53.0%
Accommodation and Food Services	28,800	40.3%	59.7%
Other Services	41,200	47.9%	52.1%
Public Administration	42,800	50.1%	49.9%
Total	884,500	55.4%	44.6%

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

In 2017, the Agricultural industry had the highest proportion of Albertans aged 45 and older, at 52.1%, followed by Transportation and Warehousing, at 48.0% (Figure 10). Accommodation and Food Services had the lowest percentage of Albertans aged 45 and older, at 19.4%, followed by Information, Culture and Recreation, at 33.0%.

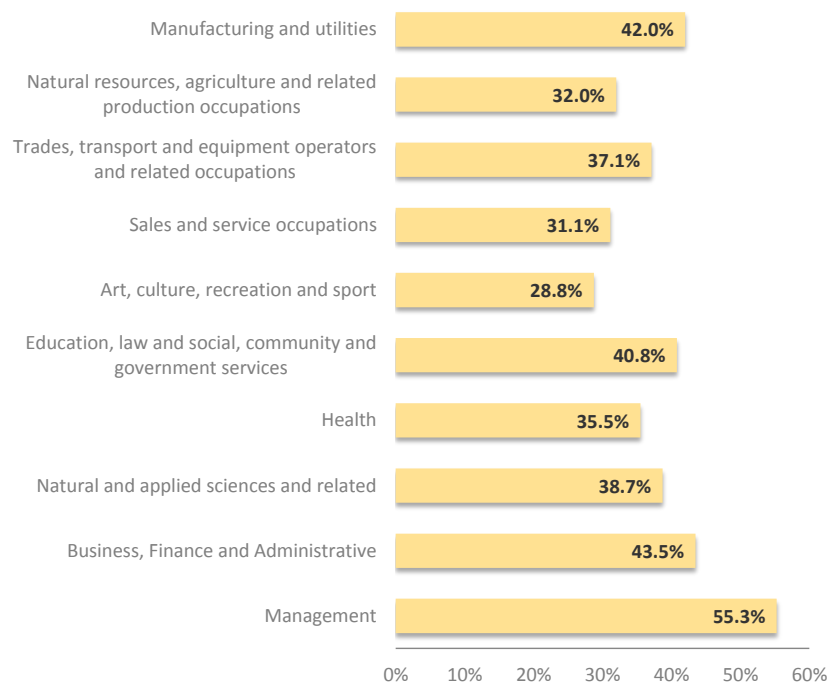
Share of total employment by industry, Alberta, 2017 Figure 10



Occupation

In 2017, Management had the highest percentage of employed people aged 45 and older, at 55.3%. Art, culture, recreation and sport had the lowest at 28.8% (Figure 11).

Share of total employment by occupation, Alberta, 2017 Figure 11



The proportion of employed Albertans aged 45 and older were higher than the overall provincial shares in the following occupations: Management; Business, finance and administrative; Education, law and social, community and government services; and Manufacturing and utilities (Table 10).

Employment distribution by age group in Alberta, 2017 Table 10

Occupation	Albertans 45+		Albertans 15-44	
	Employment	% of Total	Employment	% of Total
Management	120,400	13.6%	97,500	7.0%
Business, Finance and Administrative	159,000	18.0%	206,700	14.7%
Natural and applied sciences and related	71,000	8.0%	112,500	8.0%
Health	57,000	6.4%	103,600	7.4%
Education, law and social, community and government services	96,600	10.9%	140,100	10.0%
Art, culture, recreation and sport	13,700	1.5%	33,900	2.4%
Sales and service occupations	160,600	18.2%	355,100	25.3%
Trades, transport and equipment operators and related occupations	149,900	16.9%	253,900	18.1%
Natural resources, agriculture and related production occupations	28,400	3.2%	60,300	4.3%
Manufacturing and utilities	28,000	3.2%	38,700	2.8%
All occupations	884,500	100.0%	1,402,400	100.0%

Education

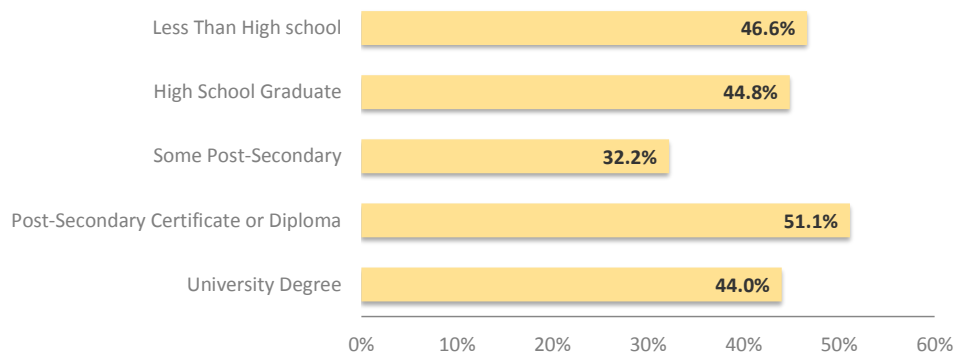
In 2017, Albertans aged 45 and older accounted for 46.6% of Albertans who had less than high school as their highest educational attainment (Figure 12). They also accounted for 51.1% and 44.0% of Albertans with a post-secondary certificate or diploma and university degree, respectively.

Overall, 24.1% of Albertans aged 45 and older had a university degree, less than the provincial share at 25.2%.

Between 2007 and 2017, 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 19.0% compared to 15.9% for Albertans 15 and older (Table 11). Similarly, the number of people aged 45 and older in the labour force that have a university degree increased by 62.1% compared to an increase of 69.2% 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 28.3% compared to the overall provincial increase of 21.6% over the same period.

Among Albertans 45 years and over, those with a university degree had the lowest unemployment rate in 2017 at 6.4%, followed by those with post-secondary certificate or diploma at 8.0% in 2017 (Table 12).

Percentage of Albertans 45 and older by education level, 2017 Figure 12



Albertans in the labour force by education level, 2007 and 2017, Table 11

Educational level	Albertans (15+ years)			Albertans (45+ years)		
	2007	2017	Change	2007	2017	Change
Less Than High school	288,200	236,900	-51,300	99,400	89,500	-9,900
High School Graduate	469,700	544,500	74,800	165,400	196,800	31,400
Some Post-Secondary	195,300	150,900	-44,400	48,600	42,600	-6,000
Post-Secondary Certificate or Diploma	693,100	843,100	150,000	281,600	361,400	79,800
University Degree	417,500	706,300	288,800	166,600	270,100	103,500

Unemployment rate by education level, 2007 and 2017, Table 12

Educational Level	2007		2017	
	Albertans (15+ years)	Albertans (45+ years)	Albertans (15+ years)	Albertans (45+ years)
Less Than High school	7.1%	*	2.4%	11.1%
High School Graduate	3.2%	2.2%	8.7%	8.1%
Some Post-Secondary	4.8%	4.1%	9.3%	8.7%
Post-Secondary Certificate or Diploma	2.6%	2.4%	6.9%	8.0%
University Degree	2.4%	2.0%	5.7%	6.4%

* Insufficient data

Appendix

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

Average Hourly Wage:

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

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.

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.

Working Age Population:

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

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