

# Alberta's Labour Market Highlights, 2017

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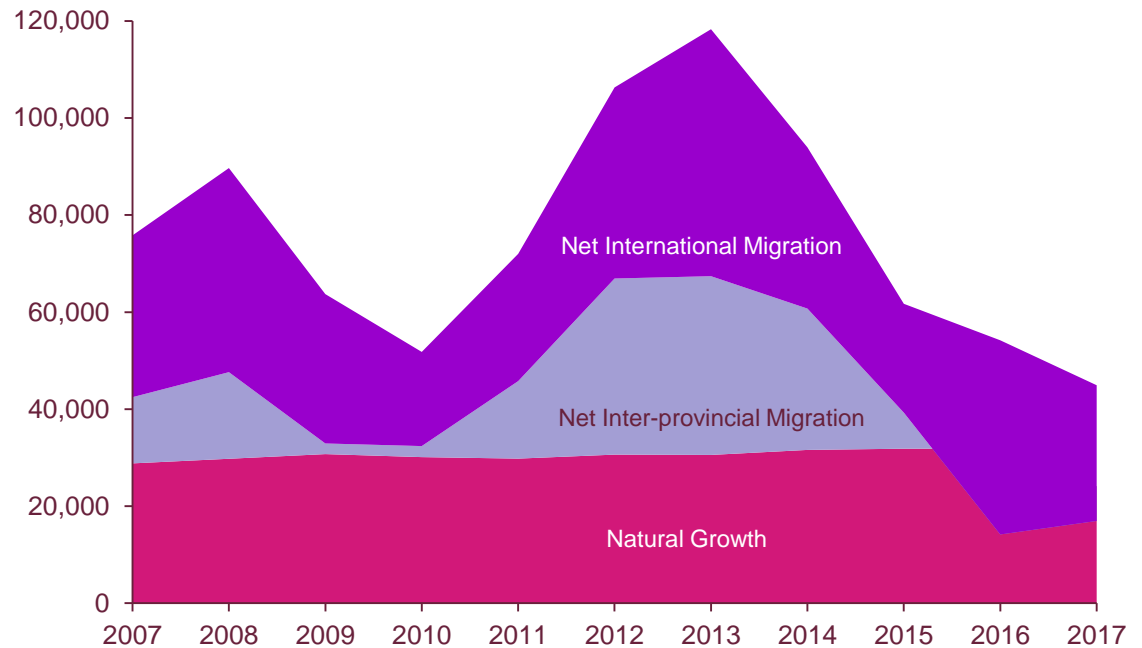
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# Characteristics of the Workforce

# Components of Population Growth

- The contribution of inter-provincial migration to population growth in Alberta declined as a result of the weak economic conditions in the province.
- Migration, however, continued to be the major source of population growth.

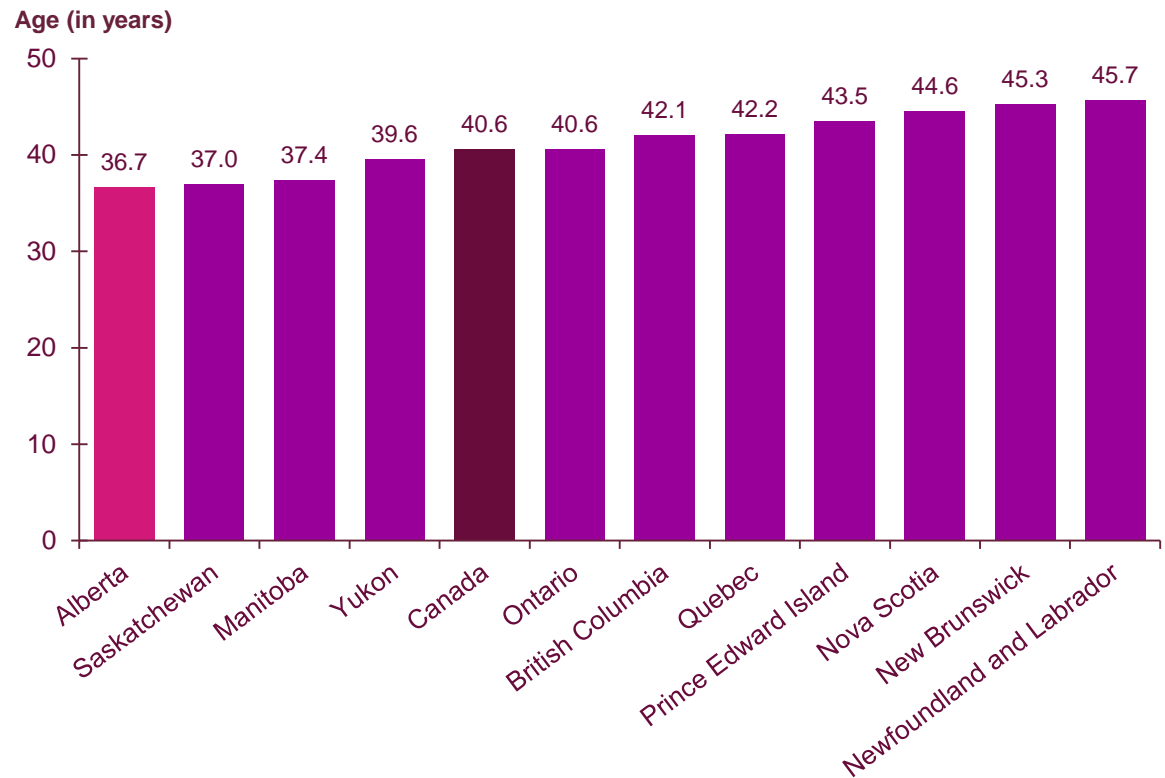


Notes: Figures for 2017 are for the first three quarters only.  
Net International Migration includes Net Non-Permanent Residents

Data Source: Alberta Treasury Board and Finance, December 2017

# Median Age in Canada and Provinces\*

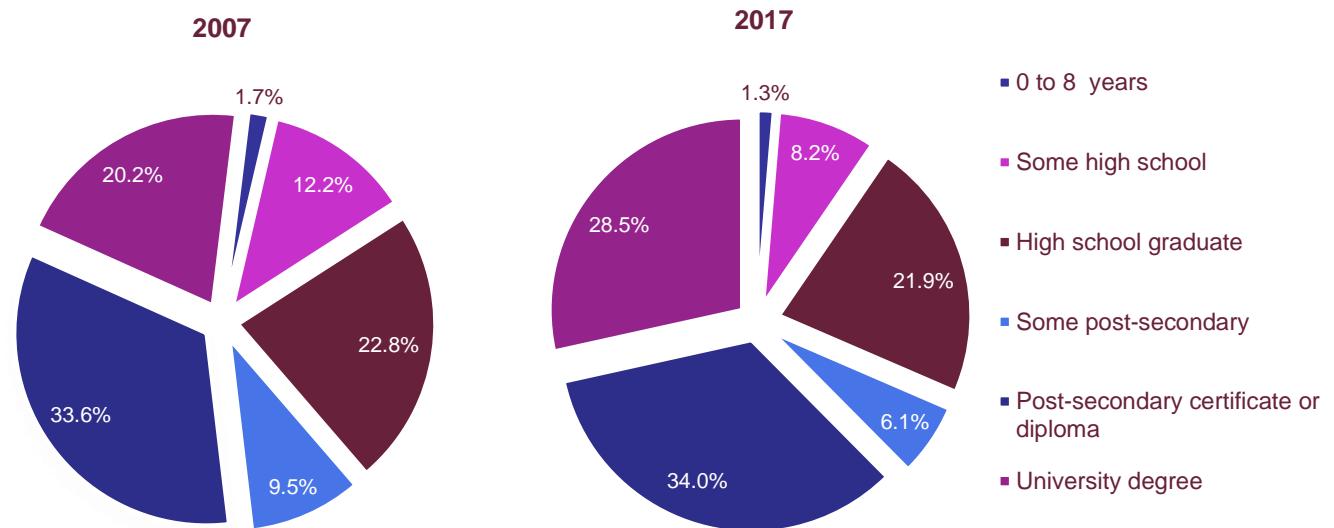
- Alberta has one of the youngest populations and youngest labour supply in the country.



\* As of July 1, 2017  
Source: Statistics Canada, Population Estimates, CANSIM, 2018

# Educational Attainment of Alberta's Labour Force

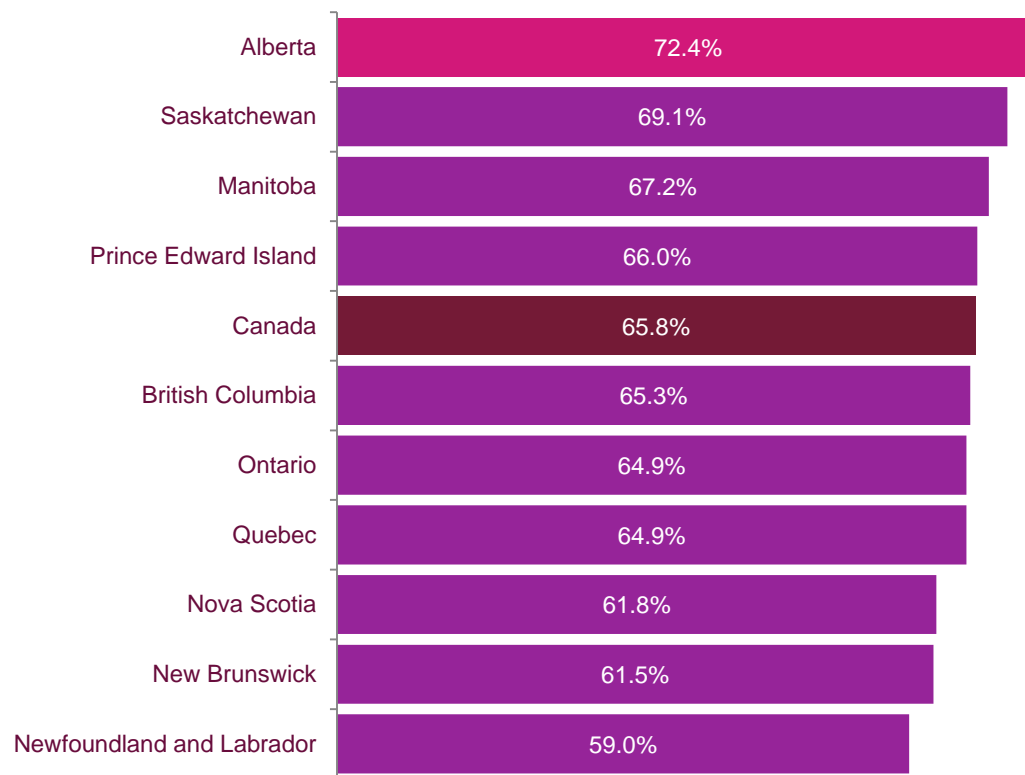
- Alberta's labour force remained highly educated. The combined share of workers with post-secondary certificate and university degree rose to 62.5% in 2017 from 53.8% in 2007.



Source: Statistics Canada, Population Estimates, CANSIM, 2018

# Labour Force Participation Rates, 2017

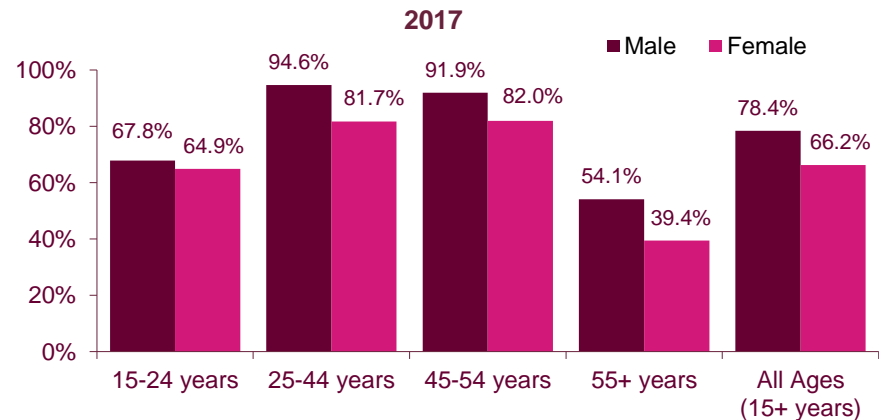
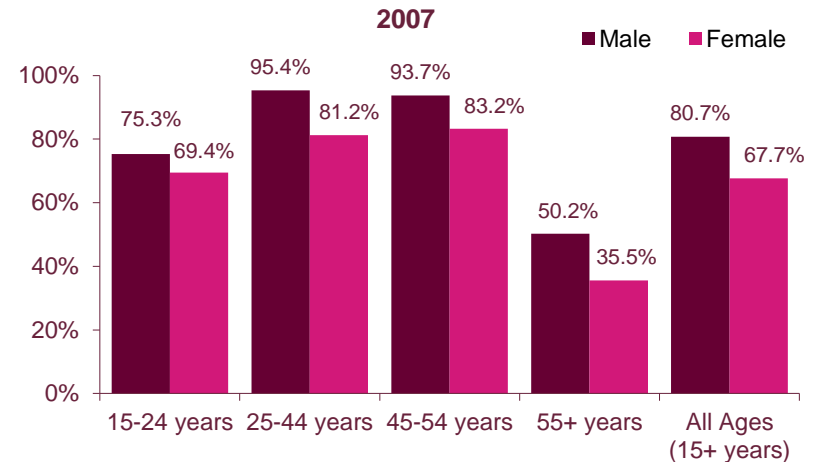
- Participation rate in the labour force by Albertans was the highest among all provinces.
- Alberta's labour force participation rate remained above 70% since 1980.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Participation Rate by Age Group and Gender

- Women's participation rate was lower than that of men across all age groups.
- However, the gap between men's and women's labour market participation has narrowed.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018



# Labour Force Statistics by Economic Region, 2017

## Banff-Jasper-Rocky Mountain House and Athabasca-Grande Prairie-Peace River

- Working age population 275,600
- Labour force 195,400
- Unemployment rate 6.4%

## Edmonton

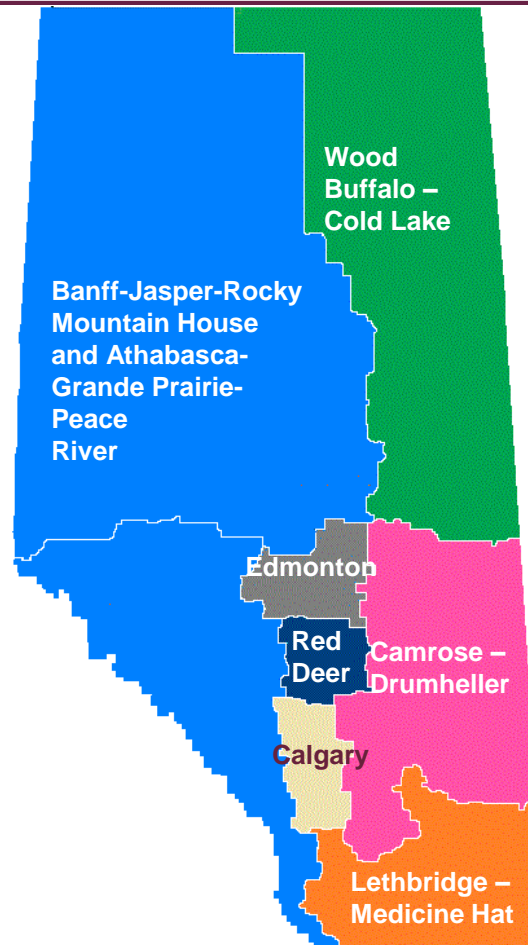
- Working age population 1,164,500
- Labour force 848,000
- Unemployment rate 8.1%

## Red Deer

- Working age population 173,200
- Labour force 122,500
- Unemployment rate 6.9%

## Calgary

- Working age population 1,308,000
- Labour force 965,000
- Unemployment rate 8.4%



## Wood Buffalo – Cold Lake

- Working age population 117,500
- Labour force 90,100
- Unemployment rate 7.7%

## Camrose – Drumheller

- Working age population 160,100
- Labour force 107,800
- Unemployment rate 8.0%

## Lethbridge – Medicine Hat

- Working age population 229,800
- Labour force 152,800
- Unemployment rate 5.7%

Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

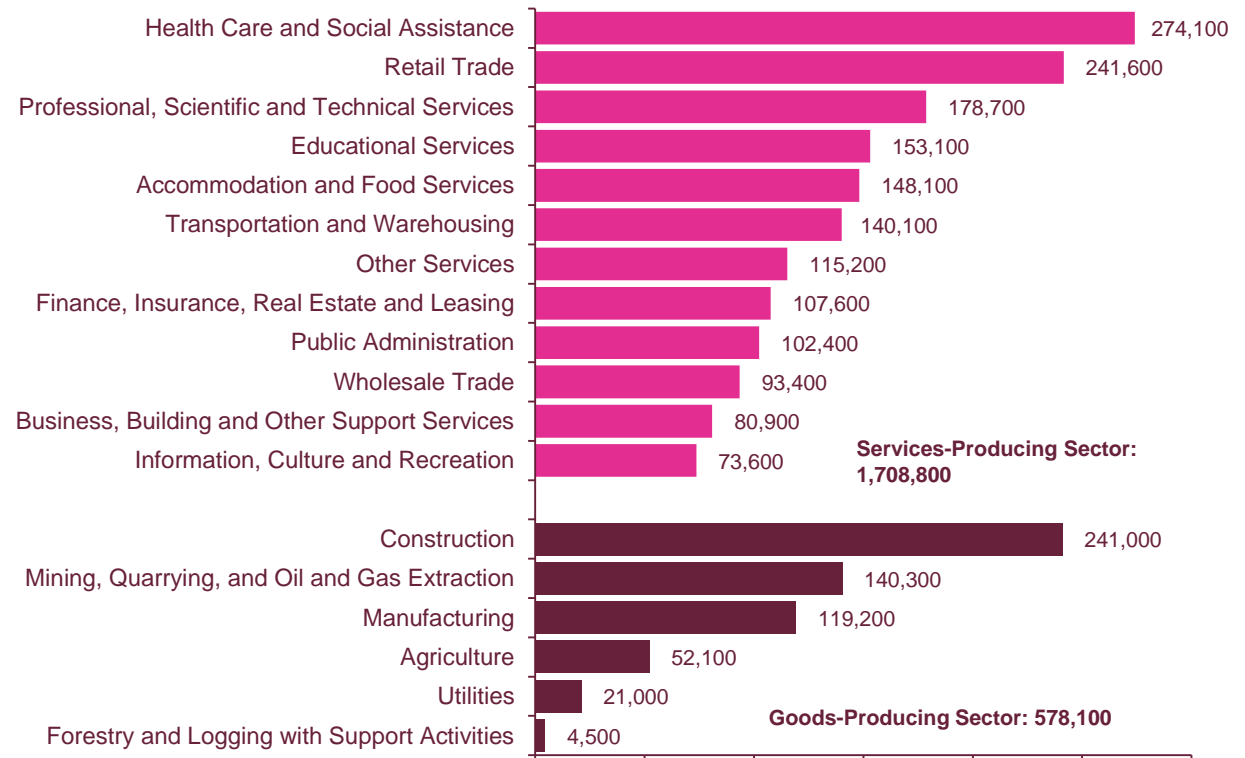
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# Employment



# Employment by Industry, 2017

- Industries in the Services-Producing Sector were the major employers in Alberta. The sector accounted for almost three-fourths of employed Albertans.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Change in Employment by Industry

- Alberta posted employment growth in 2017, a mild recovery from the previous year's decline.
- The Forestry and Wholesale Trade industries led employment growth.

| Industry  | 2016      | 2017      | % Change |
|---|-----------|-----------|----------|
| <b>Total, all industries</b>                    | 2,263,800 | 2,286,900 | 1.0%     |
| <b>Goods-Producing Sector</b>                   | 577,900   | 578,100   | 0.0%     |
| Agriculture                                     | 50,800    | 52,100    | 2.6%     |
| Forestry and Logging with Support Activities    | 4,000     | 4,500     | 12.5%    |
| Mining and Oil and Gas Extraction               | 135,800   | 140,300   | 3.3%     |
| Utilities                                       | 19,800    | 21,000    | 6.1%     |
| Construction                                    | 251,900   | 241,000   | -4.3%    |
| Manufacturing                                   | 115,500   | 119,200   | 3.2%     |
| <b>Services-Producing Sector</b>                | 1,685,900 | 1,708,800 | 1.4%     |
| Wholesale Trade                                 | 83,700    | 93,400    | 11.6%    |
| Retail Trade                                    | 246,400   | 241,600   | -1.9%    |
| Transportation and Warehousing                  | 131,800   | 140,100   | 6.3%     |
| Finance, Insurance, Real Estate and Leasing     | 106,100   | 107,600   | 1.4%     |
| Professional, Scientific and Technical Services | 179,300   | 178,700   | -0.3%    |
| Business, Building and Other Support Services   | 79,500    | 80,900    | 1.8%     |
| Educational Services                            | 149,500   | 153,100   | 2.4%     |
| Health Care and Social Assistance               | 269,400   | 274,100   | 1.7%     |
| Information, Culture and Recreation             | 76,300    | 73,600    | -3.5%    |
| Accommodation and Food Services                 | 144,400   | 148,100   | 2.6%     |
| Other Services                                  | 122,400   | 115,200   | -5.9%    |
| Public Administration                           | 97,100    | 102,400   | 5.5%     |

Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Employment by Occupation, 2017

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Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Change in Employment by Occupation

- Natural resources, agriculture and related production occupations led the growth in employment.

| Occupation  | 2016      | 2017      | Change |
|---|-----------|-----------|--------|
| Total, all occupations  | 2,263,800 | 2,286,900 | 1.0%   |
| Occupations in art, culture, recreation and sport                           | 51,900    | 47,800    | -7.9%  |
| Occupations in education, law and social, community and government services | 236,500   | 236,700   | 0.1%   |
| Health occupations  | 164,400   | 160,800   | -2.2%  |
| Sales and service occupations   | 512,000   | 515,500   | 0.7%   |
| Business, finance and administration occupations                            | 368,600   | 365,600   | -0.8%  |
| Natural and applied sciences and related occupations                        | 178,500   | 183,700   | 2.9%   |
| Trades, transport and equipment operators and related occupations           | 408,000   | 403,500   | -1.1%  |
| Occupations in manufacturing and utilities                                  | 65,400    | 67,000    | 2.4%   |
| Management occupations  | 204,100   | 217,700   | 6.7%   |
| Natural resources, agriculture and related production occupations           | 74,400    | 88,700    | 19.2%  |

Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

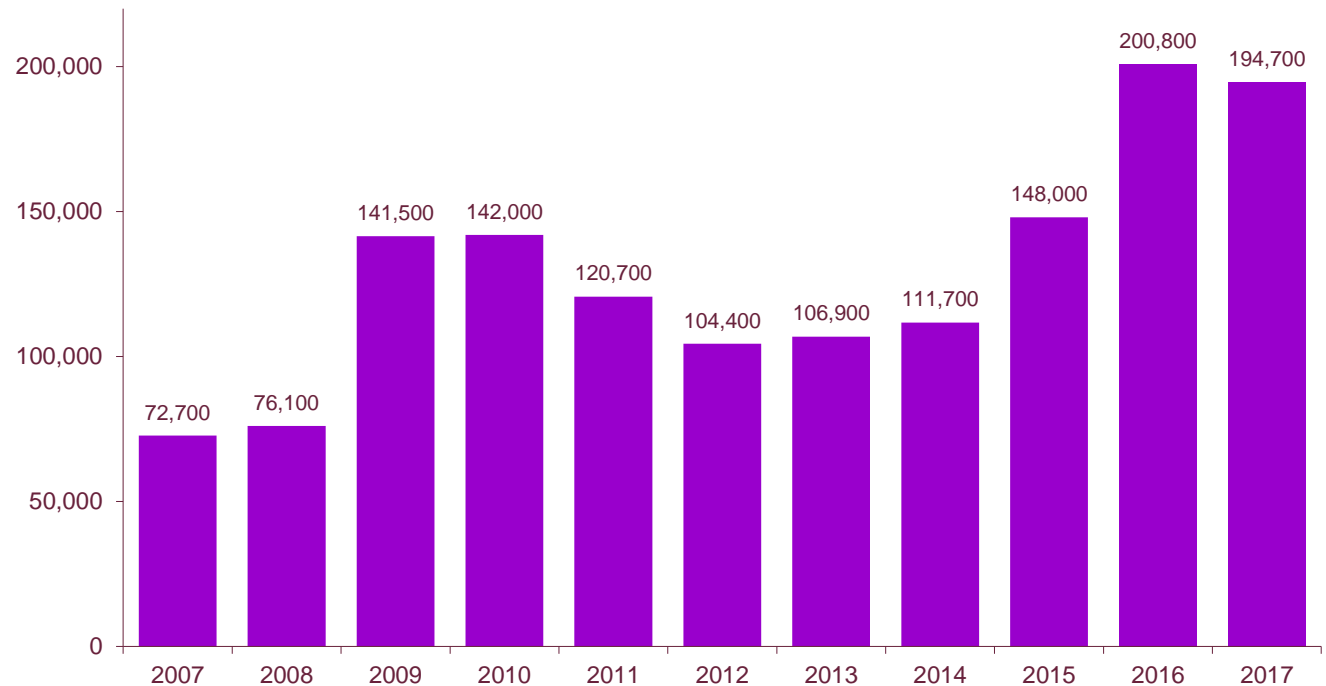
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# Unemployment



# Number of Unemployed

- The number of unemployed Albertans declined slightly in 2017, after two consecutive years of sharp increases.

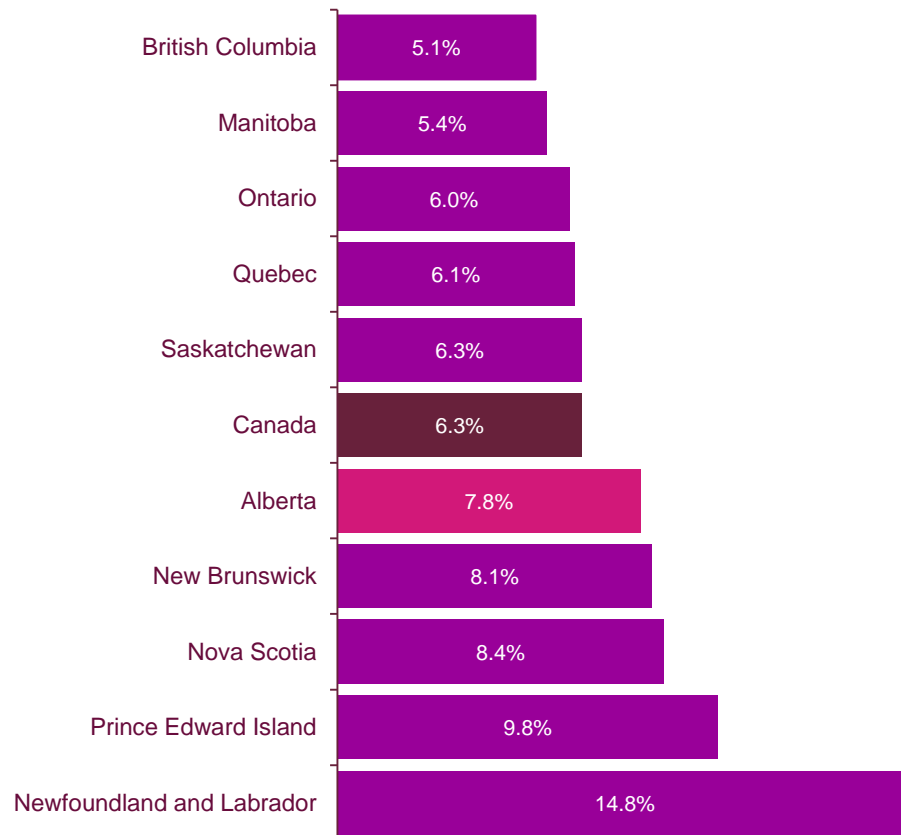


Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018



# Unemployment Rate in Canada and Provinces, 2017

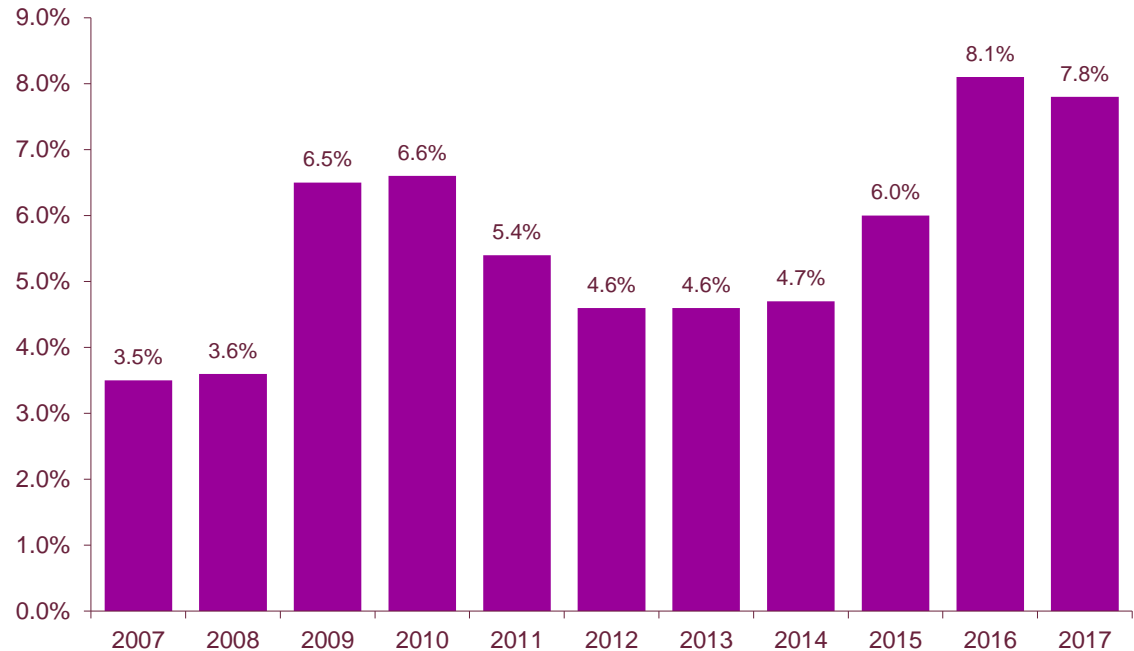
- In 2017, Alberta's unemployment rate was higher than the national rate just like in 2016.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Unemployment Rate in Alberta

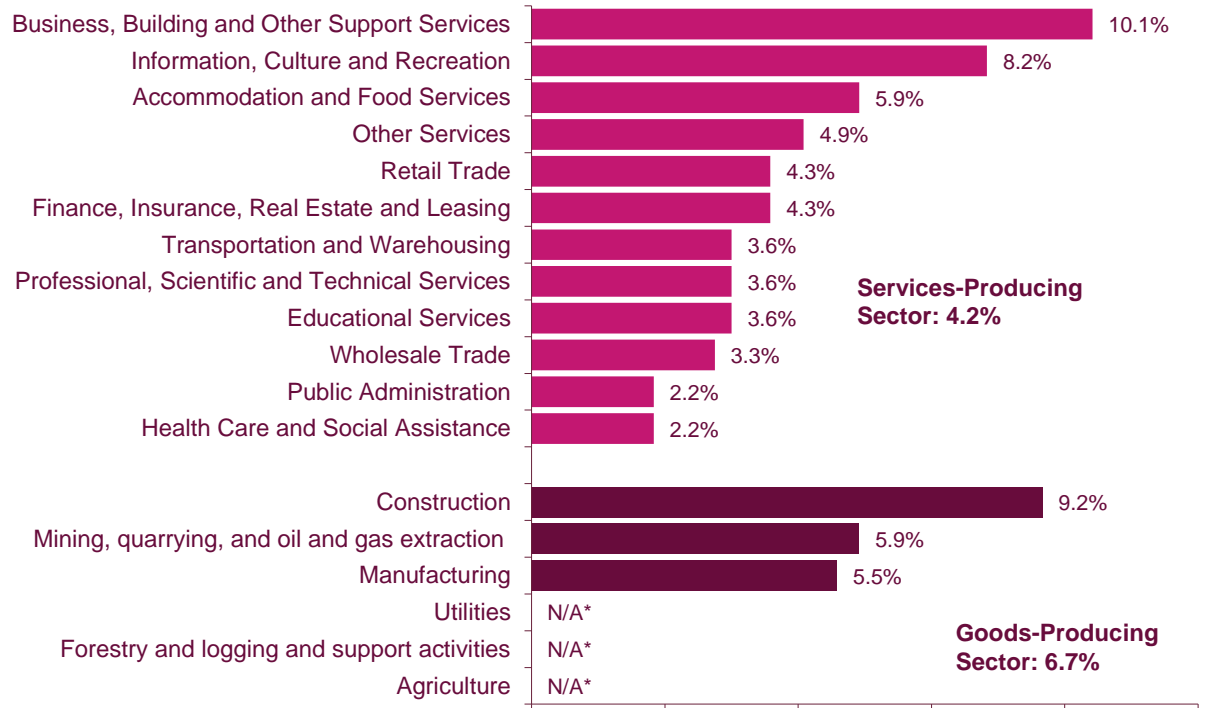
- Unemployment rate in the province dipped slightly after three consecutive years of increases.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Unemployment Rate by Industry, 2017

- Unemployment rate in most industries were lower in 2017 compared to 2016 but were still higher than their respective 10-year averages.
- Unemployment rate in the Goods-Producing Sector remained higher than in the Services-Producing Sector.

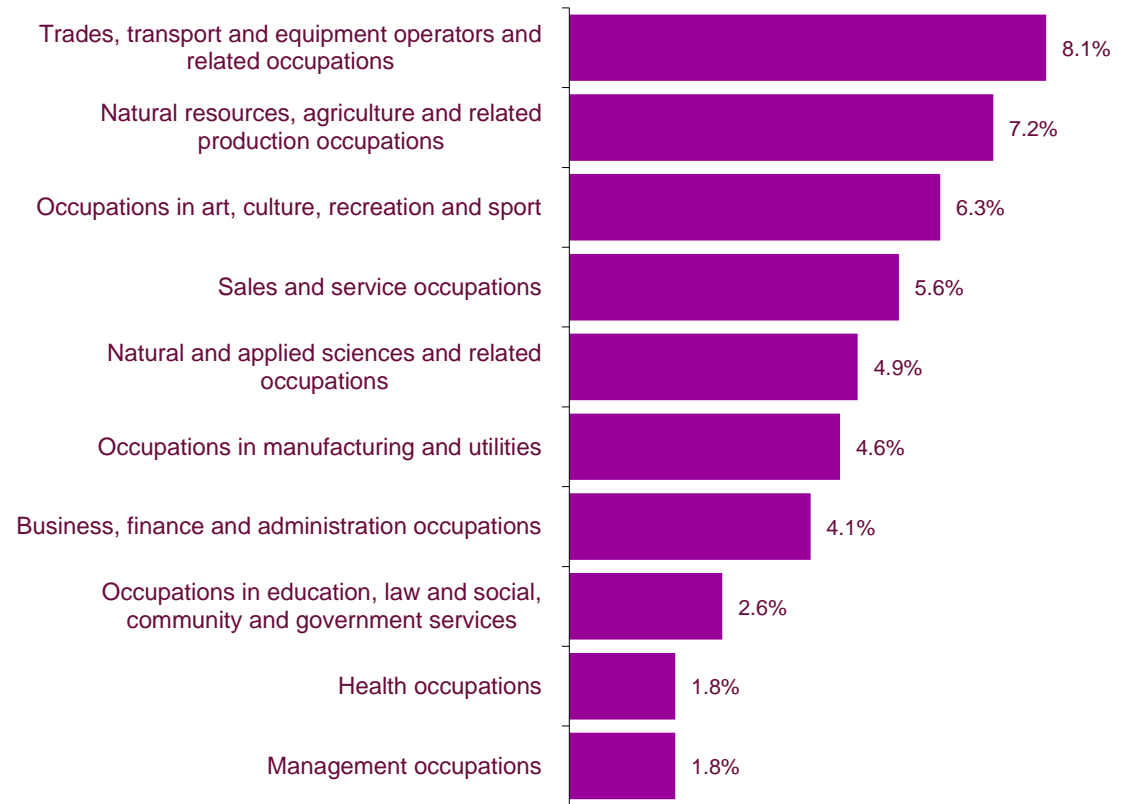


N/A\* denotes data suppressed by Statistics Canada to meet the confidentiality requirements of the Statistics Act.

Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Unemployment Rate by Occupation, 2017

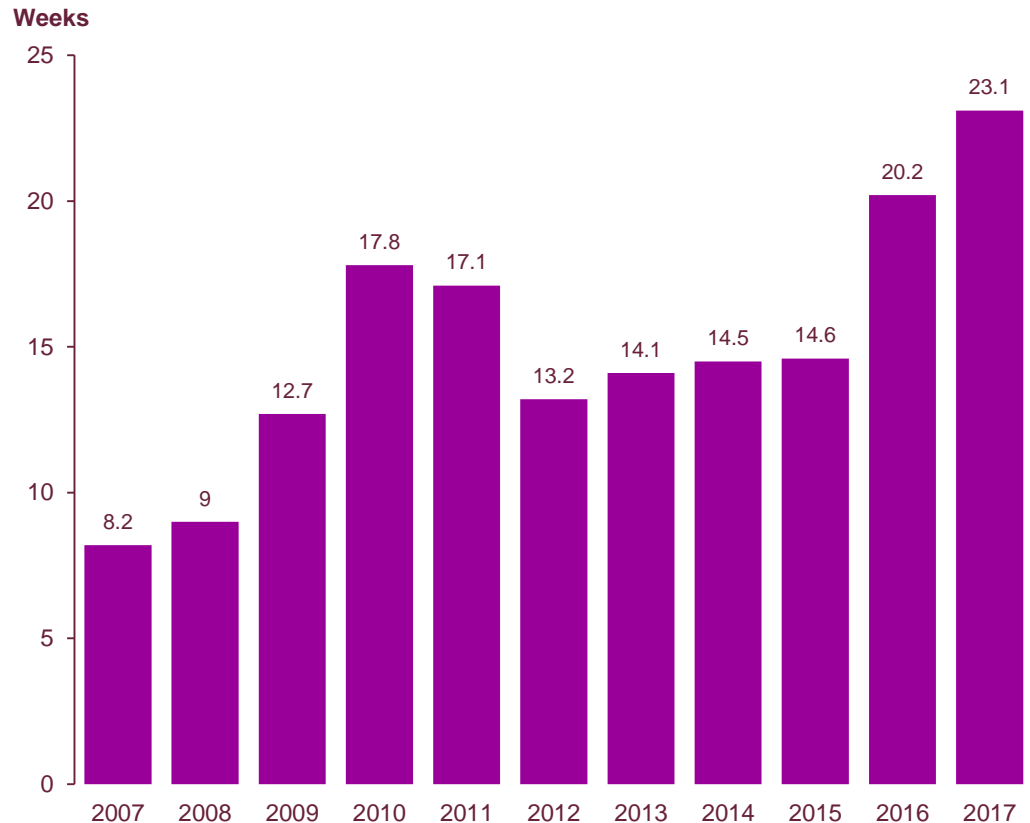
- Trades occupations and Natural resources-related occupations had the highest unemployment rate as they were mostly impacted by the sustained decline in oil prices. However, the unemployment rates in 2017 declined compared to 2016.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Duration of Unemployment

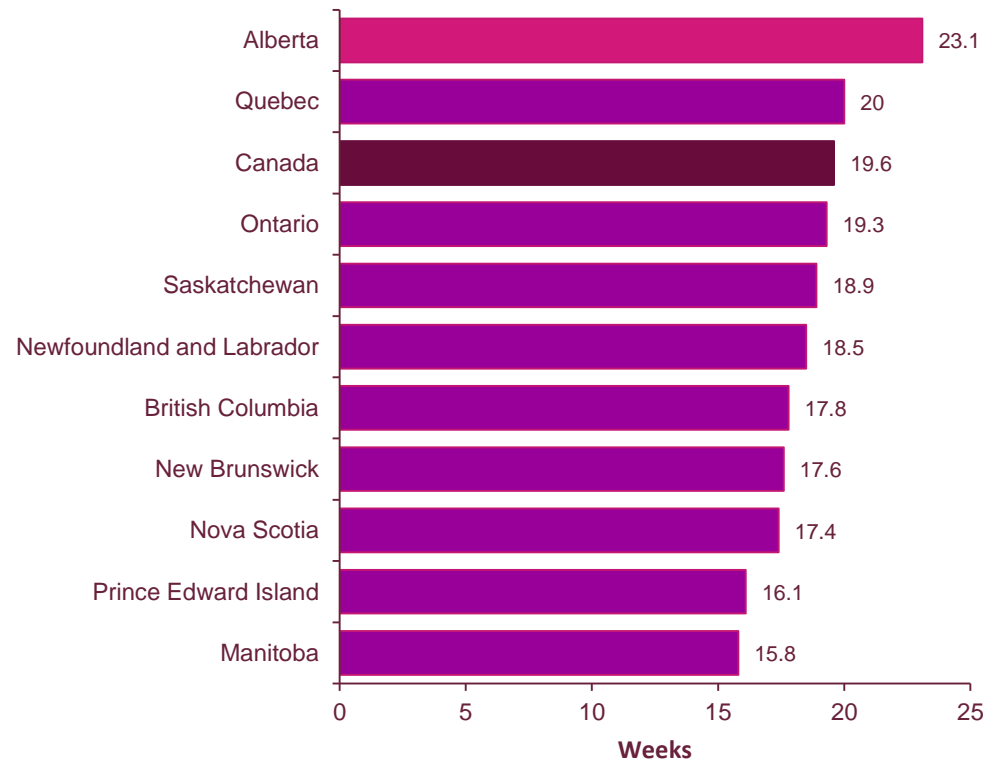
- The duration of unemployment in Alberta reached an average of 23.1 weeks in 2017.
- This unemployment duration was the highest seen in the last 10 years.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Duration of Unemployment in Canada and Provinces, 2017

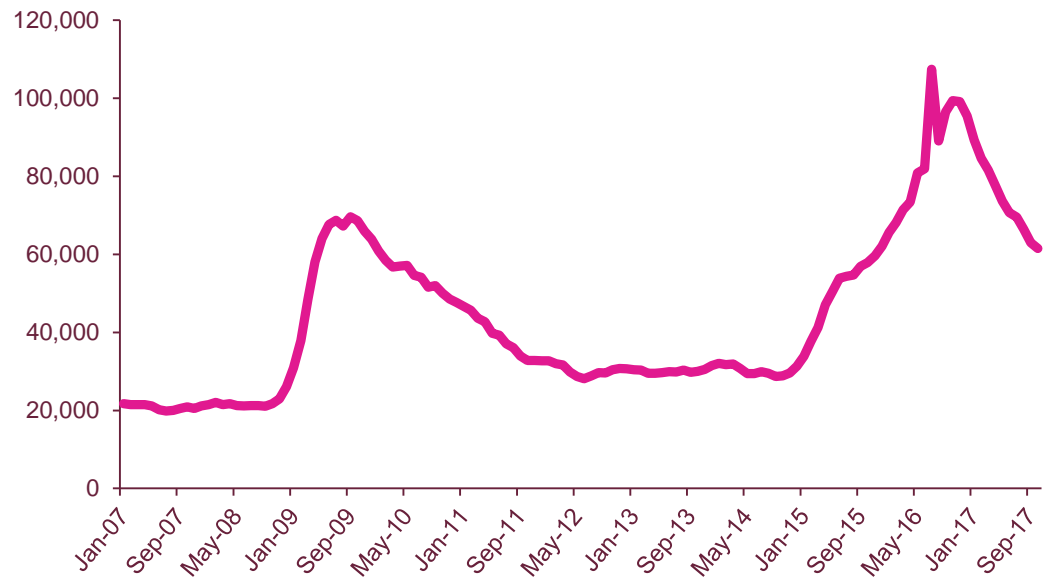
- The unemployment duration of 23.1 weeks in Alberta was the highest among the provinces. This was also higher compared to the national average of almost 20 weeks.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Number of Employment Insurance (EI) Beneficiaries

- The number of Albertans receiving EI benefits have been decreasing since its peak in July 2016, when EI rules changed.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

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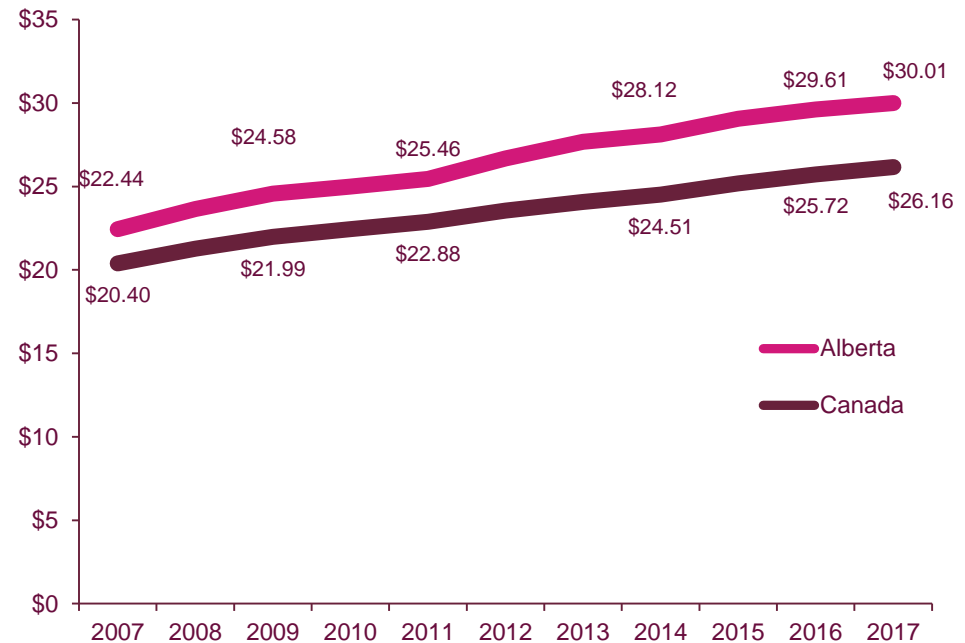
# Wages





# Average Hourly Wages

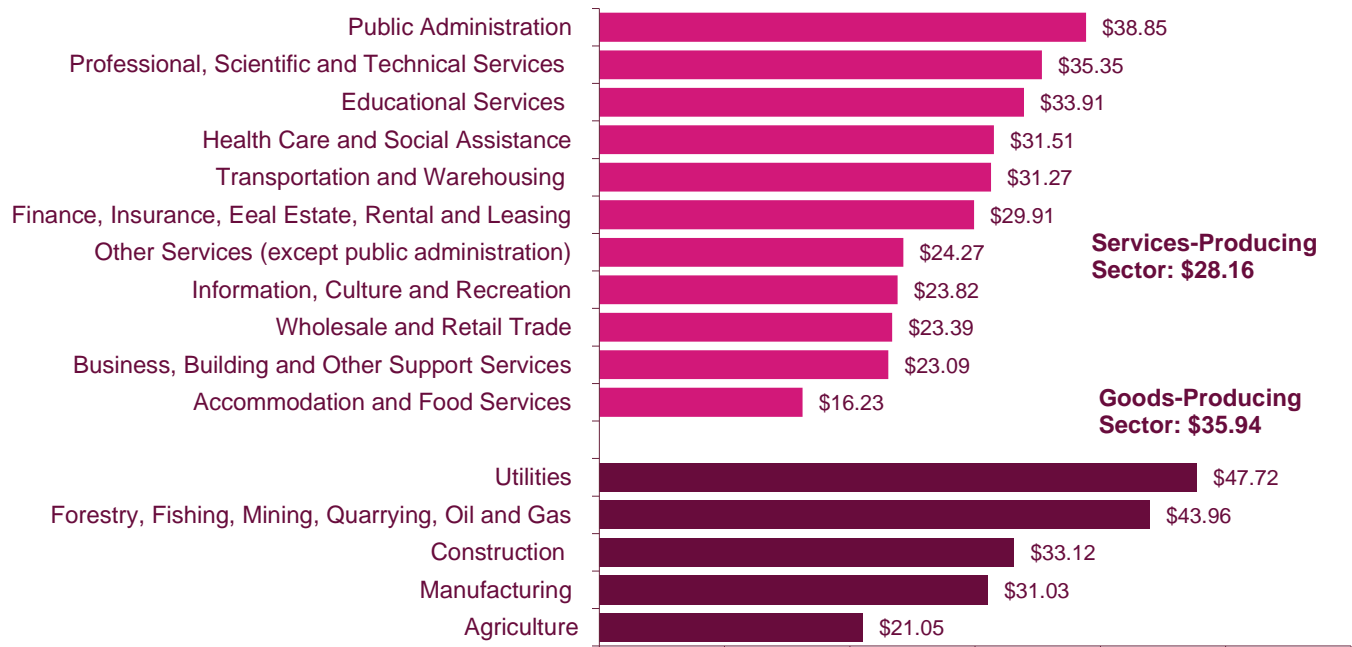
- Alberta's average hourly wage remained higher than the national average.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Average Hourly Wages by Industry, 2017

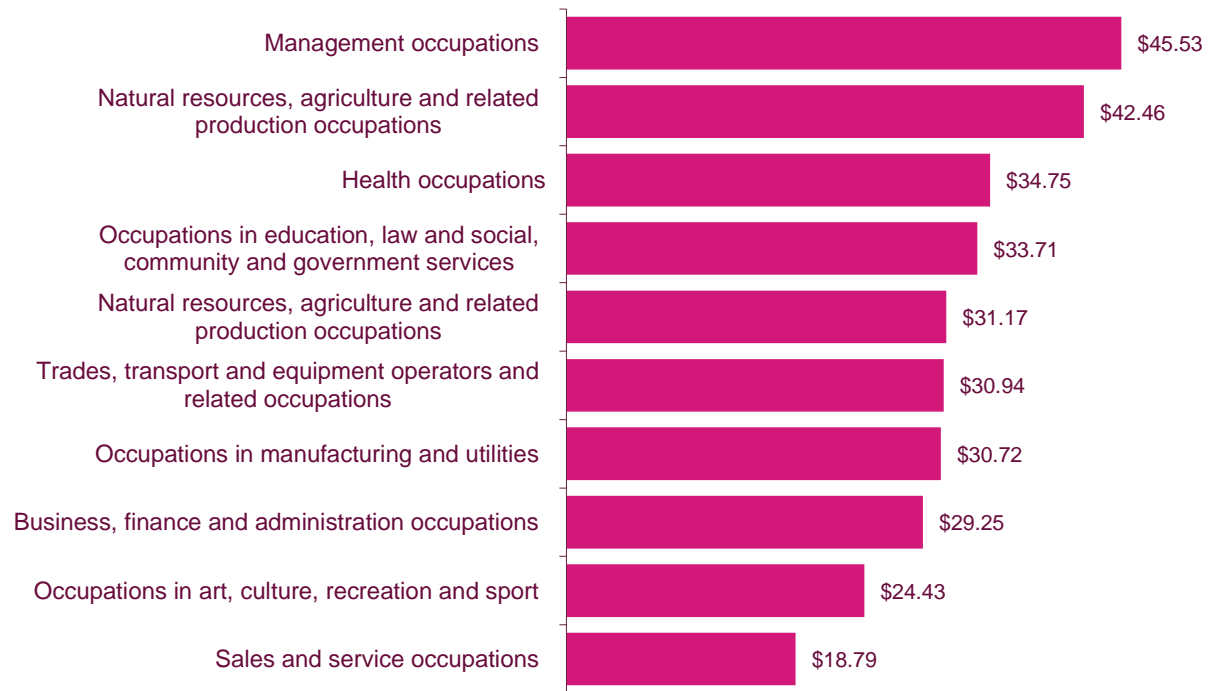
- Average hourly wage in the Goods-Producing Sector was consistently higher than in the Services-Producing Sector.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

# Average Hourly Wages by Occupation, 2017

- Management occupations and Natural resources, agriculture and related occupations constantly remained the top two highest paid.



Data Source: Statistics Canada, Labour Force Survey, CANSIM, 2018

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# Labour Market Outlook

# 10-Year Labour Market Outlook

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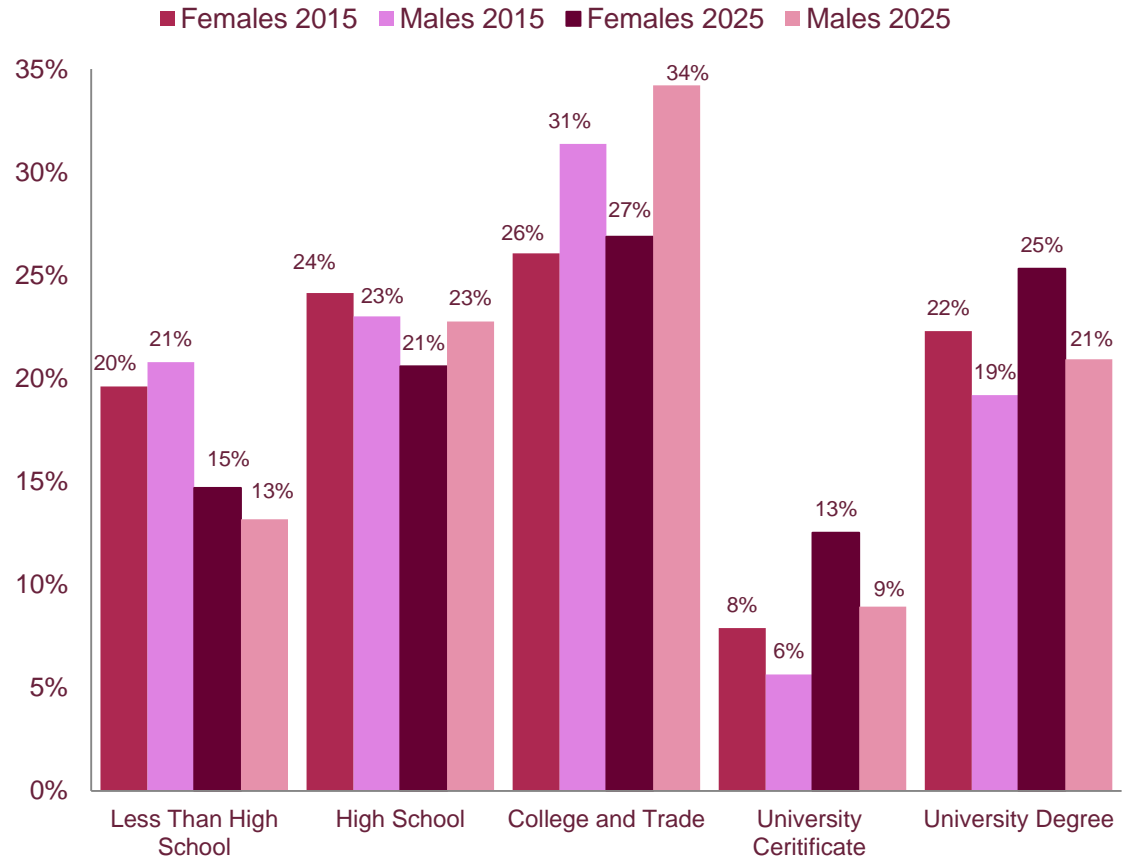
- Despite the current economic downturn, Alberta expects a 49,000 labour shortage in the next 10 years.



*Data Source: Alberta Occupational Demand and Supply Outlook, 2015-2025*

# Educational Attainment Outlook, 2015 and 2025

- Between 2015 and 2025, the quality of labour supply in Alberta is expected to improve further based on the forecasted overall level of educational attainment.
- The share of College, Trade, and University graduates will increase in 2025 compared to those seen in 2015.



Data Source: Alberta Occupational Demand and Supply Outlook, 2015-2025

# Occupation Outlook, 2017-2019

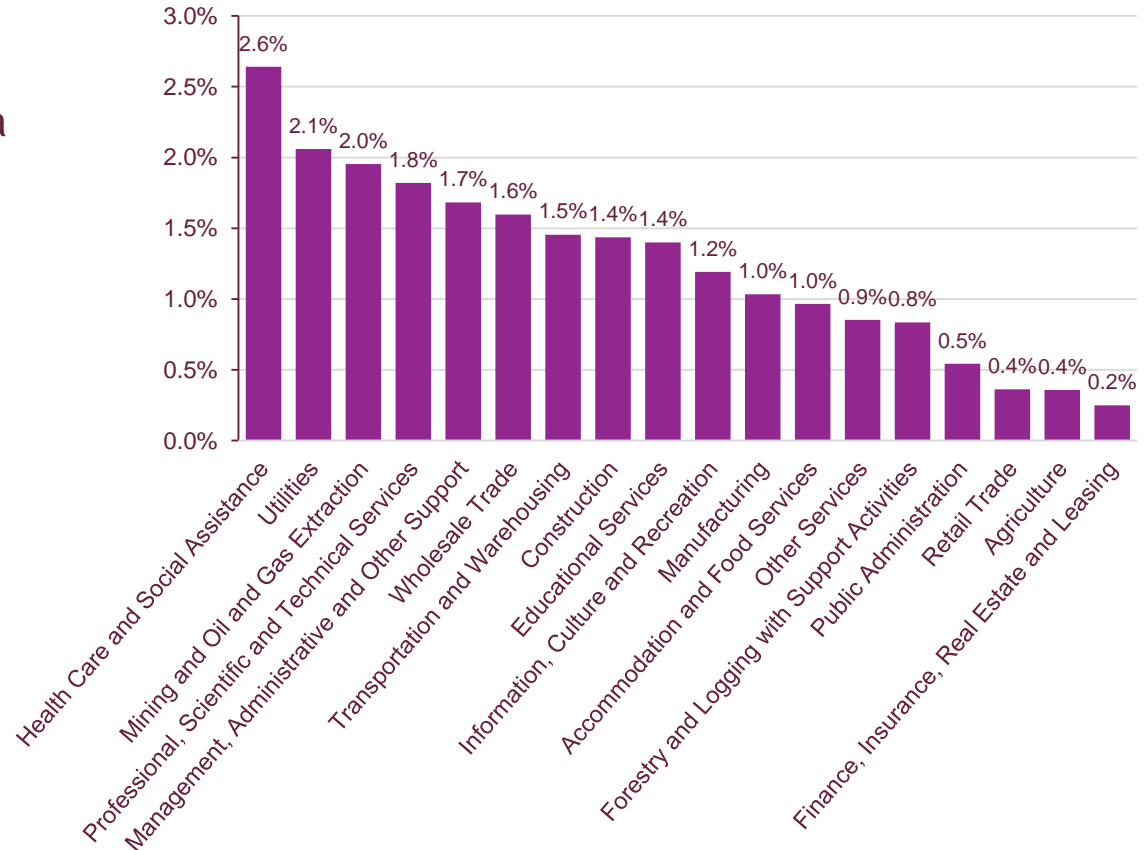
- In the short-term, these are examples of occupations expected to be in demand.

| Occupation Title  |
|---|
| 0121 Insurance, real estate and financial brokerage managers                              |
| 0124 Advertising, marketing and public relations managers                                 |
| 0311 Managers in health care  |
| 0631 Restaurant and food service managers   |
| 3012 Registered nurses and registered psychiatric nurses                                  |
| 3111 Specialist physicians  |
| 3112 General practitioners and family physicians  |
| 3113 Dentists   |
| 3131 Pharmacists  |
| 3216 Medical sonographers   |
| 3233 Licensed practical nurses  |
| 4214 Early childhood educators and assistants   |
| 6311 Food service supervisors   |
| 6315 Cleaning supervisors   |
| 6322 Cooks  |
| 6711 Food counter attendants, kitchen helpers and related support occupations             |
| 7272 Cabinetmakers  |
| 7283 Tilesetters  |
| 7334 Motorcycle, all-terrain vehicle and other related mechanics                          |
| 8252 Agricultural service contractors, farm supervisors and specialized livestock workers |
| 8431 General farm workers   |
| 9462 Industrial butchers and meat cutters, poultry preparers and related workers          |

Data Source: Alberta's Short-Term Employment Forecast (STEF), 2017-2019

# Industry Employment Outlook, 2017 - 2021

- Employment in Alberta is expected to recover moderately by 1.3% between 2017 and 2021.
- The top 3 sectors to lead the employment growth are: Health Care; Utilities; and Mining and Oil and Gas.



Data Source: Canadian Occupational Projection System, Alberta Industry Employment Outlook: 2017 - 2021



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# Online Resources

# For more information, please visit:

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**Alberta Labour (Labour Market Information):**

**[www.work.alberta.ca/lmi](http://www.work.alberta.ca/lmi)**

**Alberta Learning Information Service:**

**[www.alis.alberta.ca](http://www.alis.alberta.ca)**

**Canada-Alberta Job Bank:**

**[www.jobbank.gc.ca](http://www.jobbank.gc.ca)**

**Statistics Canada:**

**[www.statcan.gc.ca](http://www.statcan.gc.ca)**

**Alberta-Canada (Workforce Opportunities in Alberta)**

**[www.albertacanada.com](http://www.albertacanada.com)**

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[www.work.alberta.ca/lmi](http://www.work.alberta.ca/lmi)

ISBN 978-1-4601-3757-4  
ISSN 2368-9536

Published: February 2018

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