

# ASSOCIATED ECONOMIC CONSULTANTS LTD.

## ALBERTA EARNINGS DATA, BY OCCUPATIONAL GROUP

The earnings data below may be used with multiplier factors from the loss approximator to determine present values of future incomes for Alberta females aged 15 years and over, in a specified occupational group.

<b>ALBERTA FEMALES</b>			
<i>Occupations containing approximately 50% of full-time, full year workers reported in the 2001 Census by skill level</i>			
	<b>Number of full-time, full year workers</b>	<b>Full-time full year earnings (2007 \$)</b>	
<b>SKILL LEVEL 4, FEMALES</b>			
E132.4142 Elementary school and kindergarten teachers	11,600	\$58,100	Subtotal, workforce employed in listed occupations: 52,775
A211.0621 Retail trade managers	10,975	\$36,600	Total Skill Level 4 workforce: 103,240
D112 .3152 Registered nurses	8,880	\$57,200	Percent of Skill Level 4 workforce represented: 51.1%
B011.1111 Financial auditors and accountants	7,395	\$58,200	Average full-time, full year earnings for Skill Level 4: \$57,400
E131.4141 Secondary school teachers	4,770	\$56,700	
A221.0631 Restaurant and food service managers	4,505	\$29,800	
A131.0611 Sales, marketing and advertising managers	2,480	\$62,000	
A302.0122 Banking, credit and other investment managers	2,170	\$54,500	
<b>SKILL LEVEL 3, FEMALES</b>			
B211.1241 Secretaries (except legal and medical)	12,695	\$37,200	Subtotal, workforce employed in listed occupations: 54,250
B311.1221 Administrative officers	9,365	\$45,400	Total Skill Level 3 workforce: 104,285
I011.8251 Farmers and farm managers	9,310	\$21,600	Percent of Skill Level 3 workforce represented: 52.0%
B111.1231 Bookkeepers	5,585	\$35,500	Average full-time, full year earnings for Skill Level 3: \$37,900
E217.4214 Early childhood educators and assistants	4,535	\$21,100	
G412.6242 Cooks	3,830	\$23,900	
G911.6271 Hairstylists and barbers	3,665	\$27,500	
E212.4212 Community and social service workers	2,900	\$36,700	
E211.4211 Paralegal and related occupations	2,365	\$44,900	
<b>SKILL LEVEL 2, FEMALES</b>			
B511.1411 General office clerks	13,755	\$37,800	Subtotal, workforce employed in listed occupations: 57,405
G211.6421 Retail salespersons and sales clerks	10,085	\$29,300	Total Skill Level 2 workforce: 111,505
B531.1431 Accounting and related clerks	8,305	\$39,700	Percent of Skill Level 2 workforce represented: 51.5%
B514.1414 Receptionists and switchboard operators	6,070	\$31,700	Average full-time, full year earnings for Skill Level 2: \$33,400
I021.8431 General farm workers	5,610	\$19,900	
B553 .1453 Customer service, information and related clerks	4,900	\$38,000	
G513.6453 Food and beverage servers	4,790	\$20,200	
B541.1441 Administrative clerks	3,890	\$39,300	
<b>SKILL LEVEL 1, FEMALES</b>			
G311.6611 Cashiers	5,085	\$24,200	Subtotal, workforce employed in listed occupations: 24,745
G931.6661 Light duty cleaners	4,640	\$23,500	Total Skill Level 1 workforce: 24,745
G961.6641 Food counter attendants, kitchen helpers and related occupations	3,365	\$22,400	Percent of Skill Level 1 workforce represented: 52.9%
			Average full-time, full year earnings for Skill Level 1: \$25,300

Counts were obtained from 2001 Census data and expressed as reported by Statistics Canada. Earnings values were also obtained from 2001 Census data and adjusted for general wage inflation to derive the 2007 dollar values shown above. All source data were provided by Statistics Canada.

### Sample calculation:

The present value of full-time, full year earnings for an Alberta female accounting clerk aged 25 and choosing to work until age 70:

$$\begin{aligned} \text{Average full-time, full year earnings:} & \quad \$39,700 \\ \text{Multiplier value (discount rate of 2.5%):} & \quad 26.5 \\ \$39,700 \times 26.5 = & \quad \$1,052,050 \end{aligned}$$

Therefore, the present value of future earnings is estimated to be about \$1,052,100.

*Note: Income estimates shown above are not age specific. The estimates shown are averages for persons aged 15 years and over. Since earnings tend to increase with age and experience, results may understate the present value of earnings for individuals who are well established in the labour market. Note also that the above estimates do not include adjustments for labour market behaviour and that, in most instances, it is necessary to factor for such contingencies. For more information, please contact **Associated Economic Consultants Ltd.***