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Labor Market Information

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July 2019

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Fourth Quarter 2018: Numbers of Jobs Continue to Increase Steadily

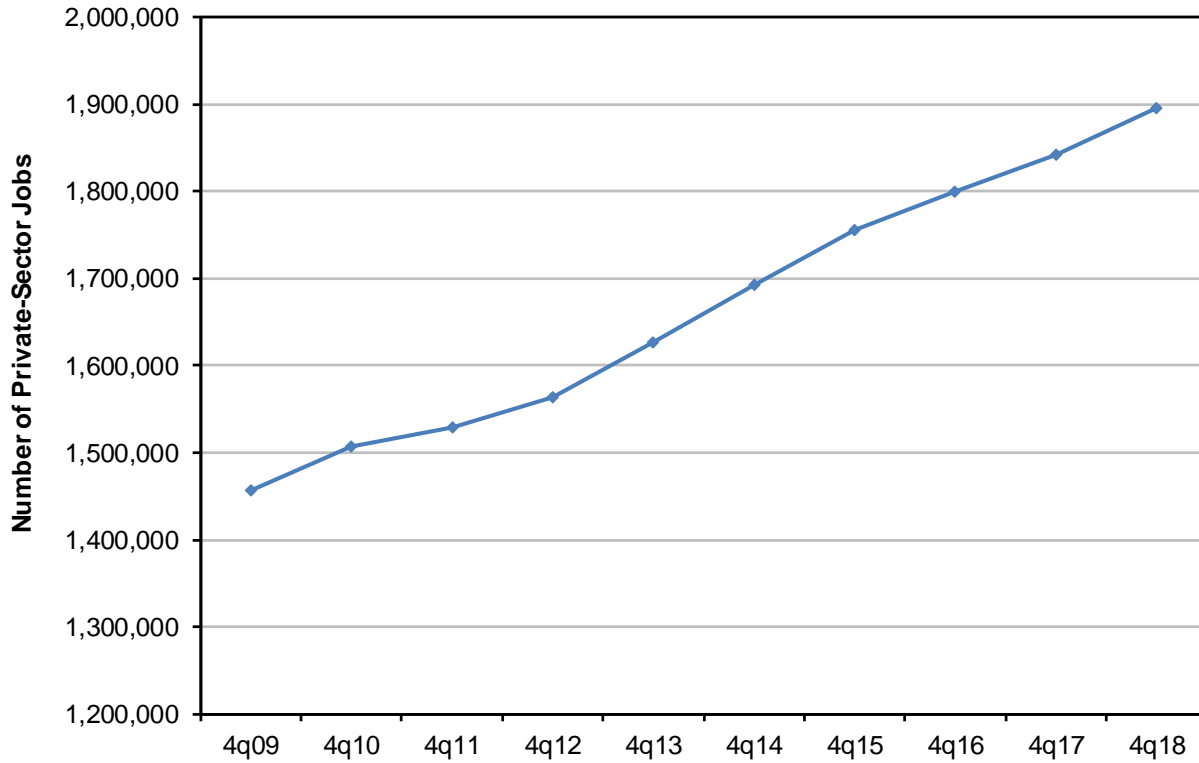
Oregon employers must report total wages and hours worked for each employee covered by unemployment insurance. These quarterly records cover more than two million individuals employed in the state but don't include roughly 280,000 self-employed workers. Past quarterly wage reports are available in the Oregonians @ Work box at www.QualityInfo.org/pubs.

Oregon's employers reported a total of 2,165,760 jobs – 1,896,373 of which were in the private sector – during the fourth quarter of 2018. This continued an upward trend in employment that began in 2010. The median (middle) wage of all non-federal jobs was \$20.25 per hour. State government jobs had the highest median wage at \$33.97 per hour. The information industry (including the computer industry) had the second-highest median wage at \$33.13 per hour. Leisure and hospitality, as usual, had the lowest median wage of all industries at \$13.81 per hour. Oregon's minimum wage ranged from \$10.50 per hour to \$12.00 per hour depending on the business location.

People interested in jobs data sometimes ask, exactly what counts as a job? When discussing data from wage records such as this article does, a job is the unique combination of a single social security number and a single employer identification number. In other words, it is one person being paid by one employer. People can hold multiple jobs, in which case a single social security number will be paired with multiple employer identification numbers. And, of course, an employer can provide multiple jobs, in which case a single employer identification number will be paired with multiple social security numbers. But each unique pair of social security number and employer identification number is counted as one job.

During the fourth quarter of 2018, 228,128 people (social security numbers) were paired with multiple employer identification numbers (employers). That's an awkward way of saying that these people held multiple jobs during the quarter. Because the data cover the entire quarter, it isn't possible to know how many of these people held their multiple jobs at the same time and how many simply switched one job for another during the quarter. Some people may be doing both because 6,174 people held four or more jobs during the quarter.

Private-Sector Jobs in Oregon Numbers Increase Steadily Fourth Quarter 2009 - Fourth Quarter 2018



Source: Oregon Employment Department, Unemployment Insurance wage records

To provide better data, this analysis also filters out job records that probably contain errors. Jobs that report zero hours or more than 999 hours (about 77 hours per week) worked in a quarter and jobs that paid less than the federal minimum wage (\$7.25 per hour) are excluded. Jobs that paid more than \$500 per hour and reported less than 10 work hours during the quarter are also excluded.

Table 1: Oregon - Number of Jobs by Hourly Wage Level and Broad Industry - 4th Quarter 2018*

	Under \$10.00	\$10.00 - \$14.99	\$15.00 - \$19.99	\$20.00 - \$29.99	\$30.00 - \$39.99	\$40.00 - \$49.99	\$50.00 - \$59.99	\$60.00 or more	Total	Median Wage
Total - All Industries	18,208	615,185	427,373	460,837	236,004	144,909	87,965	175,279	2,165,760	\$20.25
Natural Resources and Mining	579	30,017	16,961	14,428	4,152	1,561	713	1,925	70,336	\$15.95
Construction	471	11,047	23,816	34,837	22,110	15,930	6,978	8,056	123,245	\$26.84
Manufacturing	718	31,791	46,119	56,798	26,392	15,198	10,055	24,605	211,676	\$23.80
Wholesale Trade	436	12,502	16,453	22,105	11,090	6,243	4,001	10,261	83,091	\$24.80
Retail Trade	3,156	134,740	53,329	37,804	11,090	4,569	2,714	7,420	254,822	\$14.38
Transportation, Warehousing, and Utilities	437	10,100	16,130	19,677	8,187	5,015	2,899	6,504	68,949	\$22.82
Information	143	5,727	3,853	7,276	6,199	4,312	3,142	7,501	38,153	\$33.13
Financial Activities	583	10,634	18,224	25,439	12,900	7,955	4,945	10,800	91,480	\$25.44
Professional and Business Services	2,866	74,280	54,426	50,353	30,278	19,859	14,204	36,445	282,711	\$21.35
Private Educational Services	416	7,166	7,046	8,861	4,647	2,293	1,561	2,012	34,002	\$22.03
Health Care & Social Assistance	2,628	74,015	64,594	59,134	27,207	19,871	15,539	32,171	295,159	\$20.65
Leisure and Hospitality	2,930	149,242	52,244	35,256	9,911	3,048	1,256	3,087	256,974	\$13.81
Other Services	1,046	32,675	19,558	16,890	7,011	3,255	1,851	3,489	85,775	\$16.81
State Government	15	473	3,003	12,353	12,165	7,965	3,525	2,439	41,938	\$33.97
Local Government	1,766	30,299	31,200	59,263	42,455	27,699	14,484	18,310	225,476	\$28.14
Non-classifiable	18	477	417	363	210	136	98	254	1,973	\$21.07

* Count of records. Individuals holding multiple jobs will be counted more than once.

Records meeting the following conditions have been excluded from this analysis:

- 0 (zero) hours reported
- 999 hours reported
- wages < \$7.25/hr calculated
- wages > \$500/hr calculated and < 10 hours reported
- federal government employment

Source: Oregon Employment Department, Unemployment Insurance Wage Records

Table 2: Oregon - Fraction of Jobs by Broad Industry by Hourly Wage Level - 4th Quarter 2018*

	Under \$10.00	\$10.00 - \$14.99	\$15.00 - \$19.99	\$20.00 - \$29.99	\$30.00 - \$39.99	\$40.00 - \$49.99	\$50.00 - \$59.99	\$60.00 or more	Total
Total - All Industries	0.8%	28.4%	19.7%	21.3%	10.9%	6.7%	4.1%	8.1%	100.0%
Natural Resources and Mining	0.8%	42.7%	24.1%	20.5%	5.9%	2.2%	1.0%	2.7%	100.0%
Construction	0.4%	9.0%	19.3%	28.3%	17.9%	12.9%	5.7%	6.5%	100.0%
Manufacturing	0.3%	15.0%	21.8%	26.8%	12.5%	7.2%	4.8%	11.6%	100.0%
Wholesale Trade	0.5%	15.0%	19.8%	26.6%	13.3%	7.5%	4.8%	12.3%	100.0%
Retail Trade	1.2%	52.9%	20.9%	14.8%	4.4%	1.8%	1.1%	2.9%	100.0%
Transportation, Warehousing, and Utilities	0.6%	14.6%	23.4%	28.5%	11.9%	7.3%	4.2%	9.4%	100.0%
Information	0.4%	15.0%	10.1%	19.1%	16.2%	11.3%	8.2%	19.7%	100.0%
Financial Activities	0.6%	11.6%	19.9%	27.8%	14.1%	8.7%	5.4%	11.8%	100.0%
Professional and Business Services	1.0%	26.3%	19.3%	17.8%	10.7%	7.0%	5.0%	12.9%	100.0%
Private Educational Services	1.2%	21.1%	20.7%	26.1%	13.7%	6.7%	4.6%	5.9%	100.0%
Health Care & Social Assistance	0.9%	25.1%	21.9%	20.0%	9.2%	6.7%	5.3%	10.9%	100.0%
Leisure and Hospitality	1.1%	58.1%	20.3%	13.7%	3.9%	1.2%	0.5%	1.2%	100.0%
Other Services	1.2%	38.1%	22.8%	19.7%	8.2%	3.8%	2.2%	4.1%	100.0%
State Government	0.0%	1.1%	7.2%	29.5%	29.0%	19.0%	8.4%	5.8%	100.0%
Local Government	0.8%	13.4%	13.8%	26.3%	18.8%	12.3%	6.4%	8.1%	100.0%
Non-classifiable	0.9%	24.2%	21.1%	18.4%	10.6%	6.9%	5.0%	12.9%	100.0%

* Count of records. Individuals holding multiple jobs will be counted more than once.

Records meeting the following conditions have been excluded from this analysis:

- 0 (zero) hours reported
- 999 hours reported
- wages < \$7.25/hr calculated
- wages > \$500/hr calculated and < 10 hours reported
- federal government employment

Source: Oregon Employment Department, Unemployment Insurance Wage Records

Table 3: Oregon - Fraction of Jobs by Hourly Wage Level by Broad Industry - 4th Quarter 2018*

	Under \$10.00	\$10.00 - \$14.99	\$15.00 - \$19.99	\$20.00 - \$29.99	\$30.00 - \$39.99	\$40.00 - \$49.99	\$50.00 - \$59.99	\$60.00 or more	Total
Total - All Industries	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Natural Resources and Mining	3.2%	4.9%	4.0%	3.1%	1.8%	1.1%	0.8%	1.1%	3.2%
Construction	2.6%	1.8%	5.6%	7.6%	9.4%	11.0%	7.9%	4.6%	5.7%
Manufacturing	3.9%	5.2%	10.8%	12.3%	11.2%	10.5%	11.4%	14.0%	9.8%
Wholesale Trade	2.4%	2.0%	3.8%	4.8%	4.7%	4.3%	4.5%	5.9%	3.8%
Retail Trade	17.3%	21.9%	12.5%	8.2%	4.7%	3.2%	3.1%	4.2%	11.8%
Transportation, Warehousing, and Utilities	2.4%	1.6%	3.8%	4.3%	3.5%	3.5%	3.3%	3.7%	3.2%
Information	0.8%	0.9%	0.9%	1.6%	2.6%	3.0%	3.6%	4.3%	1.8%
Financial Activities	3.2%	1.7%	4.3%	5.5%	5.5%	5.5%	5.6%	6.2%	4.2%
Professional and Business Services	15.7%	12.1%	12.7%	10.9%	12.8%	13.7%	16.1%	20.8%	13.1%
Private Educational Services	2.3%	1.2%	1.6%	1.9%	2.0%	1.6%	1.8%	1.1%	1.6%
Health Care & Social Assistance	14.4%	12.0%	15.1%	12.8%	11.5%	13.7%	17.7%	18.4%	13.6%
Leisure and Hospitality	16.1%	24.3%	12.2%	7.7%	4.2%	2.1%	1.4%	1.8%	11.9%
Other Services	5.7%	5.3%	4.6%	3.7%	3.0%	2.2%	2.1%	2.0%	4.0%
State Government	0.1%	0.1%	0.7%	2.7%	5.2%	5.5%	4.0%	1.4%	1.9%
Local Government	9.7%	4.9%	7.3%	12.9%	18.0%	19.1%	16.5%	10.4%	10.4%
Non-classifiable	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

* Count of records. Individuals holding multiple jobs will be counted more than once.

Records meeting the following conditions have been excluded from this analysis:

- 0 (zero) hours reported
- 999 hours reported
- wages < \$7.25/hr calculated
- wages > \$500/hr calculated and < 10 hours reported
- federal government employment

Source: Oregon Employment Department, Unemployment Insurance Wage Records

Table 4: Oregon - Number of Jobs by Hourly Wage Level and Firm Employment Size Class - 4th Quarter 2018*

	Under \$10.00	\$10.00 - \$14.99	\$15.00 - \$19.99	\$20.00 - \$29.99	\$30.00 - \$39.99	\$40.00 - \$49.99	\$50.00 - \$59.99	\$60.00 or more	Total	Median Wage
Total - All Size Classes	18,208	615,185	427,373	460,837	236,004	144,909	87,965	175,279	2,165,760	\$20.25
Under 5 employees	1,870	34,717	25,245	25,380	10,921	6,564	4,246	11,533	120,476	\$19.56
5 - 9 employees	1,110	42,473	29,570	28,606	12,186	6,388	3,363	7,591	131,287	\$18.30
10 - 19 employees	1,173	58,607	40,198	39,477	16,549	8,917	4,758	9,899	179,578	\$18.40
20 - 49 employees	1,811	88,371	60,820	61,564	27,121	13,917	7,658	15,705	276,967	\$18.70
50 - 99 employees	1,630	60,387	43,774	46,335	22,977	12,446	6,476	13,252	207,277	\$19.70
100 - 249 employees	2,615	81,057	58,284	62,204	32,018	17,205	9,032	19,155	281,570	\$19.87
250 - 499 employees	1,726	66,280	40,808	43,342	22,625	13,504	7,646	14,172	210,103	\$19.38
500 or more employees	6,273	183,293	128,674	153,929	91,607	65,968	44,786	83,972	758,502	\$23.23

* Count of records. Individuals holding multiple jobs will be counted more than once.

Records meeting the following conditions have been excluded from this analysis:

- 0 (zero) hours reported
- 999 hours reported
- wages < \$7.25/hr calculated
- wages > \$500/hr calculated and < 10 hours reported
- federal government employment

Source: Oregon Employment Department, Unemployment Insurance Wage Records

Table 5: Oregon - Fraction of Jobs by Firm Employment Size Class by Hourly Wage Level - 4th Quarter 2018*

	Under \$10.00	\$10.00 - \$14.99	\$15.00 - \$19.99	\$20.00 - \$29.99	\$30.00 - \$39.99	\$40.00 - \$49.99	\$50.00 - \$59.99	\$60.00 or more	Total
Total - All Size Classes	0.8%	28.4%	19.7%	21.3%	10.9%	6.7%	4.1%	8.1%	100.0%
Under 5 employees	1.6%	28.8%	21.0%	21.1%	9.1%	5.4%	3.5%	9.6%	100.0%
5 - 9 employees	0.8%	32.4%	22.5%	21.8%	9.3%	4.9%	2.6%	5.8%	100.0%
10 - 19 employees	0.7%	32.6%	22.4%	22.0%	9.2%	5.0%	2.6%	5.5%	100.0%
20 - 49 employees	0.7%	31.9%	22.0%	22.2%	9.8%	5.0%	2.8%	5.7%	100.0%
50 - 99 employees	0.8%	29.1%	21.1%	22.4%	11.1%	6.0%	3.1%	6.4%	100.0%
100 - 249 employees	0.9%	28.8%	20.7%	22.1%	11.4%	6.1%	3.2%	6.8%	100.0%
250 - 499 employees	0.8%	31.5%	19.4%	20.6%	10.8%	6.4%	3.6%	6.7%	100.0%
500 or more employees	0.8%	24.2%	17.0%	20.3%	12.1%	8.7%	5.9%	11.1%	100.0%

* Count of records. Individuals holding multiple jobs will be counted more than once.

Records meeting the following conditions have been excluded from this analysis:

- 0 (zero) hours reported
- 999 hours reported
- wages < \$7.25/hr calculated
- wages > \$500/hr calculated and < 10 hours reported
- federal government employment

Source: Oregon Employment Department, Unemployment Insurance Wage Records

Table 6: Oregon - Fraction of Jobs in Hourly Wage Level by Firm Employment Size Class - 4th Quarter 2018*

	Under \$10.00	\$10.00 - \$14.99	\$15.00 - \$19.99	\$20.00 - \$29.99	\$30.00 - \$39.99	\$40.00 - \$49.99	\$50.00 - \$59.99	\$60.00 or more	Total
Total - All Size Classes	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Under 5 employees	10.3%	5.6%	5.9%	5.5%	4.6%	4.5%	4.8%	6.6%	5.6%
5 - 9 employees	6.1%	6.9%	6.9%	6.2%	5.2%	4.4%	3.8%	4.3%	6.1%
10 - 19 employees	6.4%	9.5%	9.4%	8.6%	7.0%	6.2%	5.4%	5.6%	8.3%
20 - 49 employees	9.9%	14.4%	14.2%	13.4%	11.5%	9.6%	8.7%	9.0%	12.8%
50 - 99 employees	9.0%	9.8%	10.2%	10.1%	9.7%	8.6%	7.4%	7.6%	9.6%
100 - 249 employees	14.4%	13.2%	13.6%	13.5%	13.6%	11.9%	10.3%	10.9%	13.0%
250 - 499 employees	9.5%	10.8%	9.5%	9.4%	9.6%	9.3%	8.7%	8.1%	9.7%
500 or more employees	34.5%	29.8%	30.1%	33.4%	38.8%	45.5%	50.9%	47.9%	35.0%

* Count of records. Individuals holding multiple jobs will be counted more than once.

Records meeting the following conditions have been excluded from this analysis:

- 0 (zero) hours reported
- 999 hours reported
- wages < \$7.25/hr calculated
- wages > \$500/hr calculated and < 10 hours reported
- federal government employment

Source: Oregon Employment Department, Unemployment Insurance Wage Records

Table 7: Oregon - Unemployment Insurance Wage Record Summary Statistics - 4th Quarter 2018

	Count	12-Month Percent Change	Percent of Total SSNs	Total Wages	12-Month Percent Change	Percent of Total Wages	Mean Wages Per Quarter	12-Month Percent Change
Total SSNs	1,964,987	2.5%	100.0%	\$ 25,815,914,548	6.0%	100.0%	\$ 13,138	3.4%
One Job	1,736,859	2.2%	88.4%	\$ 23,447,113,605	5.7%	90.8%	\$ 13,500	3.5%
Two Jobs	196,185	4.5%	10.0%	\$ 2,072,022,873	9.2%	8.0%	\$ 10,562	4.5%
Three Jobs	25,769	9.5%	1.3%	\$ 236,195,660	12.3%	0.9%	\$ 9,166	2.5%
Four or More Jobs	6,174	7.8%	0.3%	\$ 60,582,409	9.6%	0.2%	\$ 9,813	1.6%
Total Records	2,234,369	2.9%						
Records per SSN	1.14							
Two or More Jobs	228,128	5.2%	11.6%					
Workers in Oregon's workforce in 4th Quarter 2018 who:								
- did not work in Oregon in 3rd quarter 2018	147,291	8.1%						
- had not worked in Oregon since 1990	45,256	1.5%						
- returned to Oregon's workforce*	102,035	11.4%						
Percent in workforce one year ago	83.0%							
Percent in same primary industry	84.0%							
Percent in new primary industry (3-digit NAICS)	16.0%							

*Did not work in Oregon in 3rd Quarter 2018, but have worked in Oregon at some point since 1990.

Source: Oregon Employment Department, Unemployment Insurance Wage Records

Table 8: Oregon - Quarterly Wages by Quintile and Hours Worked - 4th Quarter 2018

2018 4th Quarter Wages

All Workers

	Quintile					
	All ¹	1	2	3	4	5
Quintiles		\$3,971	\$7,623	\$11,560	\$18,425	NA
Mean	\$13,138	\$1,873	\$5,874	\$9,477	\$14,573	\$33,893
Median	\$9,421	\$1,833	\$5,926	\$9,421	\$14,367	\$25,587

¹1,964,987 SSNs

Employed 200+ Hours

	Quintile					
	All ²	1	2	3	4	5
Quintiles		\$6,246	\$9,238	\$13,141	\$20,037	NA
Mean	\$15,126	\$4,485	\$7,726	\$11,051	\$16,192	\$36,173
Median	\$10,983	\$4,589	\$7,712	\$10,983	\$15,999	\$27,373

²1,624,438 SSNs

Employed 350+ Hours

	Quintile					
	All ³	1	2	3	4	5
Quintiles		\$7,618	\$10,508	\$14,515	\$21,529	NA
Mean	\$15,863	\$6,033	\$9,028	\$12,371	\$17,616	\$38,608
Median	\$11,796	\$6,194	\$9,000	\$12,300	\$17,445	\$29,117

³1,362,471 SSNs

Percent Change from Prior Year

All Workers

	Quintile					
	All ¹	1	2	3	4	5
Quintiles		5.9%	4.9%	4.2%	4.0%	NA
Mean	3.4%	5.8%	5.6%	4.5%	4.1%	2.4%
Median	4.6%	6.2%	5.8%	4.6%	4.1%	3.8%

Employed 200+ Hours

	Quintile					
	All ²	1	2	3	4	5
Quintiles		4.8%	4.0%	3.9%	3.8%	NA
Mean	3.5%	5.0%	4.5%	3.9%	3.9%	2.7%
Median	4.0%	4.9%	4.4%	4.0%	4.0%	3.9%

Employed 350+ Hours

	Quintile					
	All ³	1	2	3	4	5
Quintiles		4.3%	3.8%	3.8%	3.8%	NA
Mean	3.8%	4.8%	4.1%	3.8%	3.9%	2.5%
Median	3.5%	4.8%	3.9%	3.6%	3.9%	3.8%

Source: Oregon Employment Department, Unemployment Insurance Wage Records