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Labor Market Information

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Third Quarter 2020: Jobs Increase and Median Wage Falls

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 2,041,296 jobs during the third quarter of 2020 (July, August, and September). This continued an upward trend in employment that began in the second quarter, and was an increase of almost 46,000 jobs over that quarter. The median (middle) wage of all non-federal jobs was \$22.04 per hour during the third quarter, which was \$0.43 per hour lower than the previous quarter.

Why the drop in median wage? It was largely due to the increase in lower-wage and middle-wage jobs and a decrease in jobs that paid \$40 to \$60 per hour. Part of this shift to lower wages was due to the seasonal increase in agricultural jobs and leisure and hospitality jobs. Even though the leisure and hospitality industry still had many jobs lost due to COVID-19 restrictions in the third quarter of 2020 compared with previous years, it had a seasonal increase during the summer. In addition to gaining lower-wage jobs, Oregon lost nearly 8,800 higher-wage jobs (those paying \$40 to \$60 per hour) from the second to the third quarter of 2020. Most of these losses came from seasonal cuts in local government. Local government includes K-12 schools, community colleges, and state universities, which often cut back on staff over the summer. In addition to local government, professional and business services and retail trade cut higher-wage jobs during the third quarter.

The impact of measures taken in response to the COVID-19 pandemic are still taking a toll on the economy. Employment in the third quarter of 2020 remained nearly 198,000 jobs below what it was during the third quarter of 2019. Almost 40% of the losses were from the leisure and hospitality industry, but almost all industries lost jobs due to the pandemic. The one significant exception was the transportation, warehousing, and utilities industry. This industry added nearly 7,000 jobs by the third quarter of 2020 from the previous year. The rapid increase in e-commerce has been a boon for transportation and warehousing jobs.

Although wage data are not yet available for 2021, it seems that the number of jobs is continuing to increase. Sample-based estimates show job gains in early 2021, the number of

jobs listed with the Oregon Employment Department in the Portland area took a sharp jump in March, and employers are reporting difficulty in hiring all the workers they want.

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 hours work during the quarter are also excluded.

Table 1: Oregon - Number of Jobs by Hourly Wage Level and Broad Industry - 3rd Quarter 2020*

	Under \$15.00	\$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	426,730	451,471	483,211	237,998	148,200	92,578	201,108	2,041,296	\$22.04
Natural Resources and Mining	34,071	29,596	23,793	6,189	2,087	909	2,079	98,724	\$17.00
Construction	9,523	22,073	37,338	22,686	18,978	9,416	9,140	129,154	\$28.48
Manufacturing	22,205	42,833	54,905	25,958	15,723	10,035	25,859	197,518	\$25.26
Wholesale Trade	8,783	16,686	23,078	12,270	6,624	4,049	9,976	81,466	\$25.93
Retail Trade	98,083	69,441	44,310	14,287	5,678	3,026	8,007	242,832	\$16.18
Transportation, Warehousing, and Utilities	7,846	23,012	24,697	8,882	4,956	3,292	7,191	79,876	\$22.28
Information	2,143	3,183	6,579	6,331	4,879	3,458	8,477	35,050	\$38.75
Financial Activities	7,707	17,022	26,145	13,704	8,331	5,334	12,330	90,573	\$27.25
Professional and Business Services	49,056	56,246	52,427	29,889	19,828	13,063	30,174	250,683	\$23.00
Private Educational Services	4,935	5,351	8,029	4,352	2,377	1,517	2,379	28,940	\$24.60
Health Care & Social Assistance	45,561	71,702	75,911	28,837	19,713	15,229	38,213	295,166	\$22.34
Leisure and Hospitality	103,298	51,296	33,563	8,638	2,615	1,020	2,176	202,606	\$14.91
Other Services	16,776	16,454	16,657	7,201	3,416	1,968	3,244	65,716	\$19.89
State Government	261	3,158	11,857	11,395	8,360	4,465	3,772	43,268	\$35.16
Local Government	15,554	22,461	42,955	36,943	24,307	15,563	37,669	195,452	\$34.20
Non-classifiable	928	957	967	436	328	234	422	4,272	\$21.56

* 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: Unemployment Insurance Wage Records

Table 2: Oregon - Fraction of Jobs by Broad Industry by Hourly Wage Level - 3rd Quarter 2020*

	Under \$15.00	\$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	20.9%	22.1%	23.7%	11.7%	7.3%	4.5%	9.9%	100.0%
Natural Resources and Mining	34.5%	30.0%	24.1%	6.3%	2.1%	0.9%	2.1%	100.0%
Construction	7.4%	17.1%	28.9%	17.6%	14.7%	7.3%	7.1%	100.0%
Manufacturing	11.2%	21.7%	27.8%	13.1%	8.0%	5.1%	13.1%	100.0%
Wholesale Trade	10.8%	20.5%	28.3%	15.1%	8.1%	5.0%	12.2%	100.0%
Retail Trade	40.4%	28.6%	18.2%	5.9%	2.3%	1.2%	3.3%	100.0%
Transportation, Warehousing, and Utilities	9.8%	28.8%	30.9%	11.1%	6.2%	4.1%	9.0%	100.0%
Information	6.1%	9.1%	18.8%	18.1%	13.9%	9.9%	24.2%	100.0%
Financial Activities	8.5%	18.8%	28.9%	15.1%	9.2%	5.9%	13.6%	100.0%
Professional and Business Services	19.6%	22.4%	20.9%	11.9%	7.9%	5.2%	12.0%	100.0%
Private Educational Services	17.1%	18.5%	27.7%	15.0%	8.2%	5.2%	8.2%	100.0%
Health Care & Social Assistance	15.4%	24.3%	25.7%	9.8%	6.7%	5.2%	12.9%	100.0%
Leisure and Hospitality	51.0%	25.3%	16.6%	4.3%	1.3%	0.5%	1.1%	100.0%
Other Services	25.5%	25.0%	25.3%	11.0%	5.2%	3.0%	4.9%	100.0%
State Government	0.6%	7.3%	27.4%	26.3%	19.3%	10.3%	8.7%	100.0%
Local Government	8.0%	11.5%	22.0%	18.9%	12.4%	8.0%	19.3%	100.0%
Non-classifiable	21.7%	22.4%	22.6%	10.2%	7.7%	5.5%	9.9%	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: *Unemployment Insurance Wage Records*

Table 3: Oregon - Fraction of Jobs by Hourly Wage Level by Broad Industry - 3rd Quarter 2020*

	Under \$15.00	\$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%
Natural Resources and Mining	8.0%	6.6%	4.9%	2.6%	1.4%	1.0%	1.0%	4.8%
Construction	2.2%	4.9%	7.7%	9.5%	12.8%	10.2%	4.5%	6.3%
Manufacturing	5.2%	9.5%	11.4%	10.9%	10.6%	10.8%	12.9%	9.7%
Wholesale Trade	2.1%	3.7%	4.8%	5.2%	4.5%	4.4%	5.0%	4.0%
Retail Trade	23.0%	15.4%	9.2%	6.0%	3.8%	3.3%	4.0%	11.9%
Transportation, Warehousing, and Utilities	1.8%	5.1%	5.1%	3.7%	3.3%	3.6%	3.6%	3.9%
Information	0.5%	0.7%	1.4%	2.7%	3.3%	3.7%	4.2%	1.7%
Financial Activities	1.8%	3.8%	5.4%	5.8%	5.6%	5.8%	6.1%	4.4%
Professional and Business Services	11.5%	12.5%	10.8%	12.6%	13.4%	14.1%	15.0%	12.3%
Private Educational Services	1.2%	1.2%	1.7%	1.8%	1.6%	1.6%	1.2%	1.4%
Health Care & Social Assistance	10.7%	15.9%	15.7%	12.1%	13.3%	16.4%	19.0%	14.5%
Leisure and Hospitality	24.2%	11.4%	6.9%	3.6%	1.8%	1.1%	1.1%	9.9%
Other Services	3.9%	3.6%	3.4%	3.0%	2.3%	2.1%	1.6%	3.2%
State Government	0.1%	0.7%	2.5%	4.8%	5.6%	4.8%	1.9%	2.1%
Local Government	3.6%	5.0%	8.9%	15.5%	16.4%	16.8%	18.7%	9.6%
Non-classifiable	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.2%	0.2%

* 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: Unemployment Insurance Wage Records

Table 4: Oregon - Number of Jobs by Hourly Wage Level and Firm Employment Size Class - 3rd Quarter 2020*

	Under \$15.00	\$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	426,730	451,471	483,211	237,998	148,200	92,578	201,108	2,041,296	\$22.04
Under 5 employees	23,535	33,529	28,861	12,411	7,422	4,758	11,591	122,107	\$20.44
5 - 9 employees	33,484	33,047	32,745	13,246	7,041	3,640	7,567	130,770	\$19.84
10 - 19 employees	46,964	43,162	43,752	18,207	10,291	4,956	9,914	177,246	\$19.80
20 - 49 employees	68,403	63,594	63,814	28,346	15,756	8,195	16,429	264,537	\$20.00
50 - 99 employees	43,713	45,538	46,855	23,674	13,899	7,404	13,998	195,081	\$21.19
100 - 249 employees	58,989	64,299	65,571	32,433	20,028	10,720	22,401	274,441	\$21.50
250 - 499 employees	42,213	40,251	45,913	23,384	14,060	8,041	16,656	190,518	\$22.08
500 or more employees	109,429	128,051	155,700	86,297	59,703	44,864	102,552	686,596	\$25.82

* 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: *Unemployment Insurance Wage Records*

Table 5: Oregon - Fraction of Jobs by Firm Employment Size Class by Hourly Wage Level - 3rd Quarter 2020*

	Under \$15.00	\$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	20.9%	22.1%	23.7%	11.7%	7.3%	4.5%	9.9%	100.0%
Under 5 employees	19.3%	27.5%	23.6%	10.2%	6.1%	3.9%	9.5%	100.0%
5 - 9 employees	25.6%	25.3%	25.0%	10.1%	5.4%	2.8%	5.8%	100.0%
10 - 19 employees	26.5%	24.4%	24.7%	10.3%	5.8%	2.8%	5.6%	100.0%
20 - 49 employees	25.9%	24.0%	24.1%	10.7%	6.0%	3.1%	6.2%	100.0%
50 - 99 employees	22.4%	23.3%	24.0%	12.1%	7.1%	3.8%	7.2%	100.0%
100 - 249 employees	21.5%	23.4%	23.9%	11.8%	7.3%	3.9%	8.2%	100.0%
250 - 499 employees	22.2%	21.1%	24.1%	12.3%	7.4%	4.2%	8.7%	100.0%
500 or more employees	15.9%	18.7%	22.7%	12.6%	8.7%	6.5%	14.9%	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: *Unemployment Insurance Wage Records*

Table 6: Oregon - Fraction of Jobs in Hourly Wage Level by Firm Employment Size Class - 3rd Quarter 2020*

	Under \$15.00	\$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%
Under 5 employees	5.5%	7.4%	6.0%	5.2%	5.0%	5.1%	5.8%	6.0%
5 - 9 employees	7.8%	7.3%	6.8%	5.6%	4.8%	3.9%	3.8%	6.4%
10 - 19 employees	11.0%	9.6%	9.1%	7.7%	6.9%	5.4%	4.9%	8.7%
20 - 49 employees	16.0%	14.1%	13.2%	11.9%	10.6%	8.9%	8.2%	13.0%
50 - 99 employees	10.2%	10.1%	9.7%	9.9%	9.4%	8.0%	7.0%	9.6%
100 - 249 employees	13.8%	14.2%	13.6%	13.6%	13.5%	11.6%	11.1%	13.4%
250 - 499 employees	9.9%	8.9%	9.5%	9.8%	9.5%	8.7%	8.3%	9.3%
500 or more employees	25.6%	28.4%	32.2%	36.3%	40.3%	48.5%	51.0%	33.6%

* 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: *Unemployment Insurance Wage Records*

Table 7: Oregon - Unemployment Insurance Wage Record Summary Statistics - 3rd Quarter 2020

	Count	12-Month		Total Wages	12-Month		Mean Wages Per Quarter	12-Month Percent Change
		Percent Change	Percent of Total SSNs		Percent Change	Percent of Total Wages		
Total SSNs	1,896,019	-5.9%	100.0%	\$ 24,844,434,727	-0.5%	100.0%	\$ 13,103	5.8%
One Job	1,710,782	-3.6%	90.2%	\$ 22,867,257,874	1.3%	92.0%	\$ 13,367	5.1%
Two Jobs	160,730	-21.9%	8.5%	\$ 1,719,375,510	-16.4%	6.9%	\$ 10,697	7.1%
Three Jobs	19,101	-31.6%	1.0%	\$ 196,008,423	-21.9%	0.8%	\$ 10,262	14.2%
Four or More Jobs	5,406	-33.0%	0.3%	\$ 61,792,920	-22.5%	0.2%	\$ 11,430	15.7%
Total Records	2,115,761	-8.3%						
Records per SSN	1.12							
Two or More Jobs	185,237	-23.4%	9.8%					
Workers in Oregon's workforce in 3rd Quarter 2020 who:								
- did not work in Oregon in 2nd quarter 2020	172,960	-2.6%						
- had not worked in Oregon since 1990	51,899	-21.7%						
- returned to Oregon's workforce*	121,061	8.8%						
Percent in workforce one year ago	85.5%							
Percent in same primary industry	84.5%							
Percent in new primary industry (3-digit NAICS)	15.5%							

*Did not work in Oregon in 2nd Quarter 2020, but have worked in Oregon at some point since 1990.

Source: Unemployment Insurance Wage Records

Table 8: Oregon - Quarterly Wages by Quintile and Hours Worked - 3rd Quarter 2020

2020 3rd Quarter Wages

All Workers

	All ¹	Quintile				
		1	2	3	4	5
Quintiles		\$4,061	\$7,862	\$11,851	\$18,844	NA
Mean	\$13,103	\$1,928	\$6,037	\$9,735	\$14,904	\$32,912
Median	\$9,677	\$1,893	\$6,074	\$9,677	\$14,697	\$25,983

¹1,896,019 SSNs

Employed 200+ Hours

	All ²	Quintile				
		1	2	3	4	5
Quintiles		\$6,725	\$9,750	\$13,697	\$20,779	NA
Mean	\$15,392	\$4,847	\$8,237	\$11,576	\$16,807	\$35,491
Median	\$11,507	\$4,966	\$8,239	\$11,507	\$16,598	\$28,106

²1,512,158 SSNs

Employed 350+ Hours

	All ³	Quintile				
		1	2	3	4	5
Quintiles		\$8,245	\$11,121	\$15,142	\$22,422	NA
Mean	\$17,103	\$6,578	\$9,632	\$12,995	\$18,354	\$37,956
Median	\$12,922	\$6,778	\$9,605	\$12,922	\$18,148	\$30,000

³1,234,975 SSNs

Percent Change from Prior Year

All Workers

	All ¹	Quintile				
		1	2	3	4	5
Quintiles		5.8%	5.8%	6.2%	5.4%	NA
Mean	5.8%	4.8%	5.8%	6.0%	5.8%	5.8%
Median	6.1%	4.3%	5.5%	6.1%	6.0%	5.0%

Employed 200+ Hours

	All ²	Quintile				
		1	2	3	4	5
Quintiles		7.7%	7.1%	6.7%	5.9%	NA
Mean	6.9%	7.6%	7.2%	6.9%	6.2%	6.9%
Median	6.9%	8.0%	7.3%	6.9%	6.4%	5.4%

Employed 350+ Hours

	All ³	Quintile				
		1	2	3	4	5
Quintiles		6.8%	6.6%	6.1%	5.8%	NA
Mean	3.1%	6.7%	6.6%	6.5%	6.0%	7.1%
Median	4.5%	7.2%	6.7%	6.6%	5.9%	5.4%