



## Economic Overview

# Portland-Vancouver-Hillsboro, OR-WA MSA



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# Demographic Profile

The population in the Portland-Vancouver-Hillsboro, OR-WA MSA was 2,472,774 per American Community Survey data for 2016-2020.

The region has a civilian labor force of 1,340,167 with a participation rate of 66.9%. Of individuals 25 to 64 in the Portland-Vancouver-Hillsboro, OR-WA MSA, 41.5% have a bachelor's degree or higher which compares with 34.3% in the nation.

The median household income in the Portland-Vancouver-Hillsboro, OR-WA MSA is \$77,707 and the median house value is \$394,490.

## Summary<sup>1</sup>

	Percent			Value		
	Portland-Vancouver-Hillsboro, OR-WA MSA	Wilsonville city, OR	USA	Portland-Vancouver-Hillsboro, OR-WA MSA	Wilsonville city, OR	USA
<b>Demographics</b>						
Population (ACS)	—	—	—	2,472,774	24,413	326,569,308
Male	49.5%	45.9%	49.2%	1,224,427	11,201	160,818,530
Female	50.5%	54.1%	50.8%	1,248,347	13,212	165,750,778
Median Age <sup>2</sup>	—	—	—	38.5	36.5	38.2
Under 18 Years	21.4%	20.4%	22.4%	528,699	4,976	73,296,738
18 to 24 Years	8.0%	8.7%	9.3%	197,664	2,112	30,435,736
25 to 34 Years	15.5%	18.5%	13.9%	382,577	4,521	45,485,165
35 to 44 Years	14.7%	14.1%	12.7%	364,612	3,453	41,346,677
45 to 54 Years	13.2%	12.0%	12.7%	325,530	2,926	41,540,736
55 to 64 Years	12.3%	11.8%	12.9%	305,372	2,870	42,101,439
65 to 74 Years	9.2%	7.4%	9.4%	228,137	1,812	30,547,950
75 Years and Over	5.7%	7.1%	6.7%	140,183	1,743	21,814,867
Race: White	79.3%	80.3%	70.4%	1,960,674	19,606	229,960,813
Race: Black or African American	2.9%	2.1%	12.6%	70,604	501	41,227,384
Race: American Indian and Alaska Native	0.7%	0.7%	0.8%	17,943	178	2,688,614
Race: Asian	6.9%	4.4%	5.6%	170,953	1,083	18,421,637
Race: Native Hawaiian and Other Pacific Islander	0.5%	1.4%	0.2%	12,716	346	611,404
Race: Some Other Race	3.3%	1.8%	5.1%	81,428	430	16,783,914
Race: Two or More Races	6.4%	9.3%	5.2%	158,456	2,269	16,875,542
Hispanic or Latino (of any race)	12.2%	13.0%	18.2%	301,163	3,185	59,361,020
<b>Economic</b>						
Labor Force Participation Rate and Size (civilian population 16 years and over)	66.9%	62.9%	63.2%	1,340,167	12,528	164,759,496
Prime-Age Labor Force Participation Rate and Size (civilian population 25-54)	84.6%	76.4%	82.4%	906,786	8,318	105,137,520
Armed Forces Labor Force	0.1%	0.1%	0.4%	1,482	10	1,143,342
Veterans, Age 18-64	4.5%	4.4%	4.5%	71,538	700	8,920,267
Veterans Labor Force Participation Rate and Size, Age 18-64	80.6%	80.1%	76.8%	57,678	561	6,853,673
Median Household Income <sup>2</sup>	—	—	—	\$77,707	\$72,541	\$64,994
Per Capita Income	—	—	—	\$40,137	\$41,763	\$35,384
Mean Commute Time (minutes)	—	—	—	26.9	28.3	26.9
Commute via Public Transportation	5.8%	1.8%	4.6%	72,465	219	7,044,886
<b>Educational Attainment, Age 25-64</b>						
No High School Diploma	7.5%	3.7%	10.5%	103,852	513	17,929,220
High School Graduate	19.1%	19.2%	25.4%	263,849	2,644	43,289,555

## Summary<sup>1</sup>

	Percent			Value		
	Portland-Vancouver-Hillsboro, OR-WA MSA	Wilsonville city, OR	USA	Portland-Vancouver-Hillsboro, OR-WA MSA	Wilsonville city, OR	USA
Some College, No Degree	22.5%	23.1%	20.5%	310,719	3,181	34,959,338
Associate's Degree	9.3%	8.7%	9.3%	127,970	1,192	15,776,790
Bachelor's Degree	26.5%	31.6%	21.6%	365,543	4,353	36,888,244
Postgraduate Degree	15.0%	13.7%	12.7%	206,158	1,887	21,630,870
<b>Housing</b>						
Total Housing Units	—	—	—	1,007,774	10,058	138,432,751
Median House Value (of owner-occupied units) <sup>2</sup>	—	—	—	\$394,490	\$441,800	\$229,800
Homeowner Vacancy	0.9%	0.0%	1.4%	5,305	0	1,129,755
Rental Vacancy	3.6%	3.4%	5.8%	13,567	174	2,704,553
Renter-Occupied Housing Units (% of Occupied Units)	37.7%	51.3%	35.6%	361,229	4,972	43,552,843
Occupied Housing Units with No Vehicle Available (% of Occupied Units)	7.8%	7.1%	8.5%	74,660	685	10,344,521
<b>Social</b>						
Poverty Level (of all people)	10.1%	9.1%	12.8%	247,044	2,080	40,910,326
Households Receiving Food Stamps/SNAP	11.8%	6.9%	11.4%	112,665	671	13,892,407
Enrolled in Grade 12 (% of total population)	1.2%	1.8%	1.3%	28,897	431	4,358,865
Disconnected Youth <sup>3</sup>	2.5%	0.0%	2.5%	2,848	0	433,164
Children in Single Parent Families (% of all children)	26.4%	24.7%	34.0%	133,529	1,178	23,628,508
Uninsured	6.0%	5.0%	8.7%	146,682	1,144	28,058,903
With a Disability, Age 18-64	9.6%	7.6%	10.3%	150,931	1,103	20,231,217
With a Disability, Age 18-64, Labor Force Participation Rate and Size	49.1%	57.3%	43.2%	74,062	632	8,740,236
Foreign Born	12.7%	8.2%	13.5%	314,491	2,008	44,125,628
Speak English Less Than Very Well (population 5 yrs and over)	6.7%	3.5%	8.2%	157,484	807	25,312,024

Source: [JobsEQ®](#)

1. American Community Survey 2016-2020, unless noted otherwise

2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

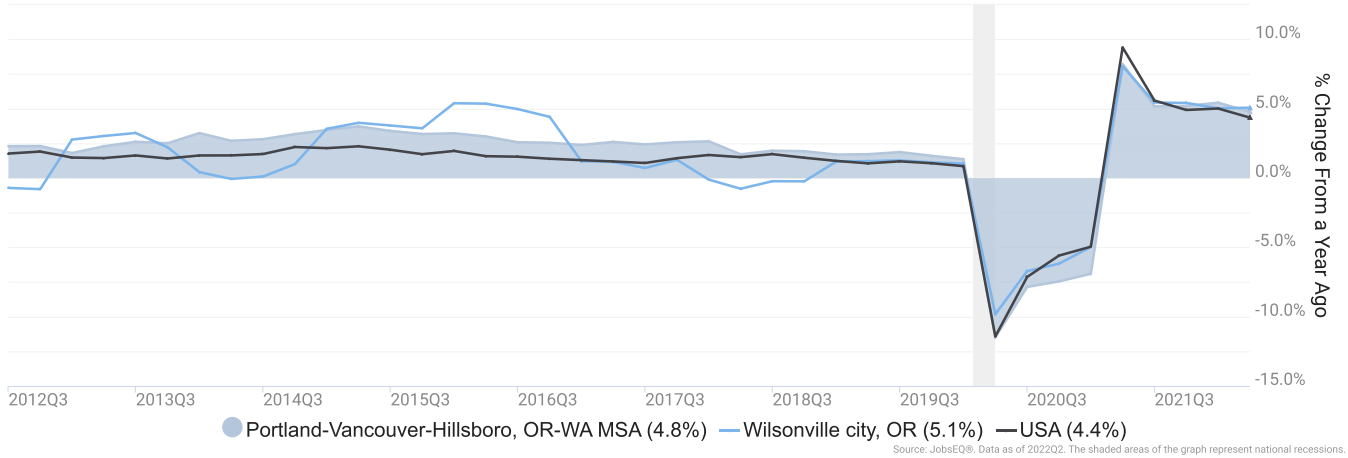
3. Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.

4. Census Population Estimate for 2020, annual average growth rate since 2010.

# Employment Trends

As of 2022Q2, total employment for the Portland-Vancouver-Hillsboro, OR-WA MSA was 1,261,629 (based on a four-quarter moving average). Over the year ending 2022Q2, employment increased 4.8% in the region.

Employment for Portland-Vancouver-Hillsboro, OR-WA MSA

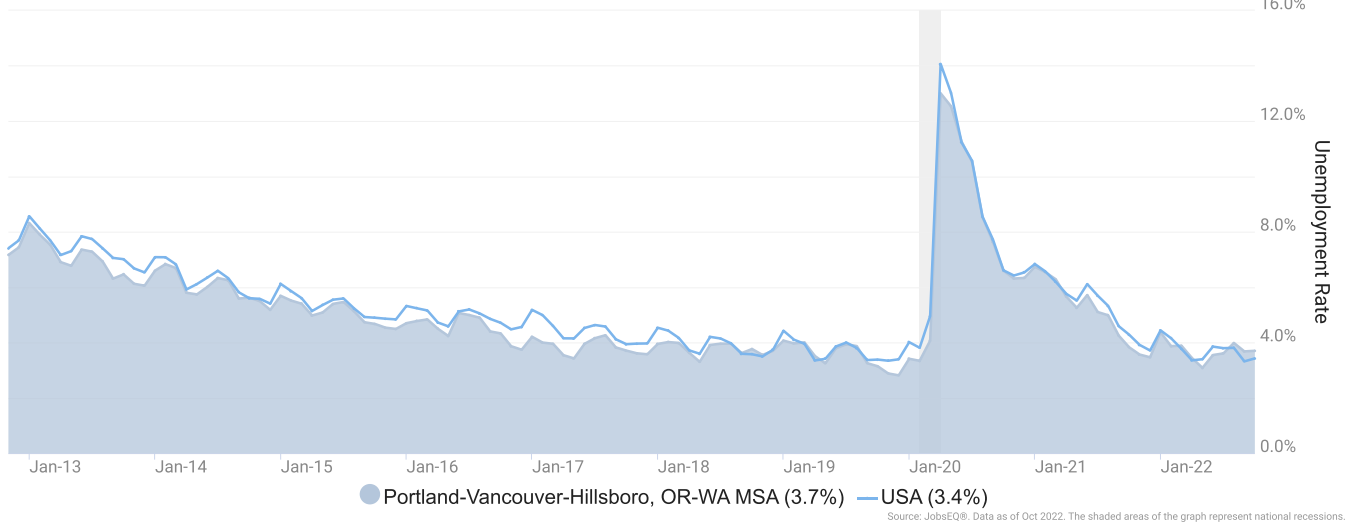


Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2022Q1 with preliminary estimates updated to 2022Q2.

# Unemployment Rate

The unemployment rate for the Portland-Vancouver-Hillsboro, OR-WA MSA was 3.7% as of October 2022. The regional unemployment rate was higher than the national rate of 3.4%. One year earlier, in October 2021, the unemployment rate in the Portland-Vancouver-Hillsboro, OR-WA MSA was 3.8%.

Unemployment Rate for Portland-Vancouver-Hillsboro, OR-WA MSA

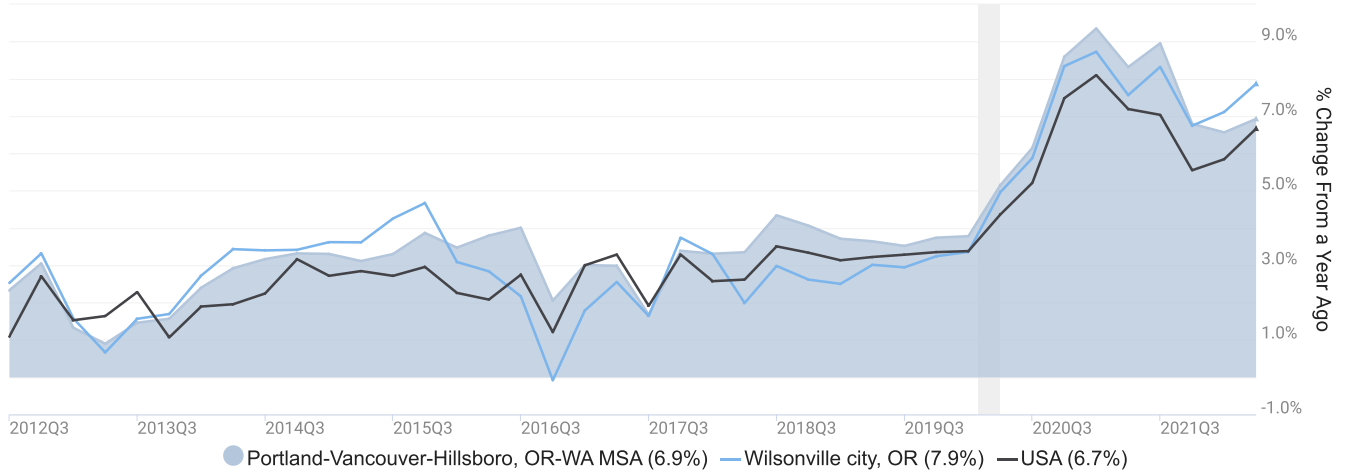


Unemployment rate data are from the Local Area Unemployment Statistics, provided by the Bureau of Labor Statistics and updated through October 2022.

# Wage Trends

The average worker in the Portland-Vancouver-Hillsboro, OR-WA MSA earned annual wages of \$72,791 as of 2022Q2. Average annual wages per worker increased 6.9% in the region over the preceding four quarters. For comparison purposes, annual average wages were \$67,777 in the nation as of 2022Q2.

Average Annual Wages for Portland-Vancouver-Hillsboro, OR-WA MSA



Annual average wages per worker data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2022Q1 with preliminary estimates updated to 2022Q2.

# Cost of Living Index

The Cost of Living Index estimates the relative price levels for consumer goods and services. When applied to wages and salaries, the result is a measure of relative purchasing power. The cost of living is 27.4% higher in Portland-Vancouver-Hillsboro, OR-WA MSA than the U.S. average.

## Cost of Living Information

	Annual Average Salary	Cost of Living Index (Base US)	US Purchasing Power
Portland-Vancouver-Hillsboro, OR-WA MSA	\$72,791	127.4	\$57,136
Wilsonville city, OR	\$70,384	128.9	\$54,617
USA	\$67,777	100.0	\$67,777

Source: [JobsEQ®](#)

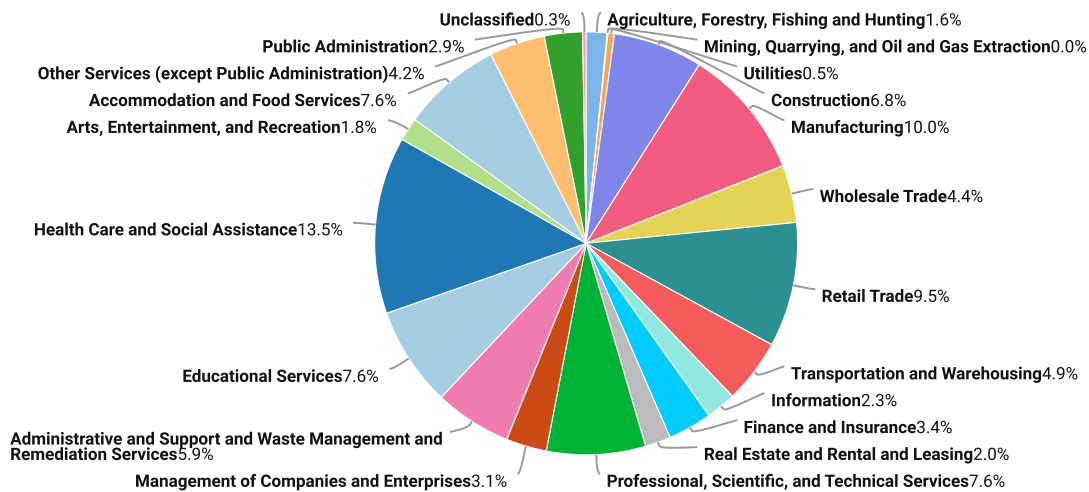
Data as of 2022Q2

Cost of Living per [COLI](#), data as of 2022Q3, imputed by Chmura where necessary.

# Industry Snapshot

The largest sector in the Portland-Vancouver-Hillsboro, OR-WA MSA is Health Care and Social Assistance, employing 170,760 workers. The next-largest sectors in the region are Manufacturing (126,721 workers) and Retail Trade (120,289). High location quotients (LQs) indicate sectors in which a region has high concentrations of employment compared to the national average. The sectors with the largest LQs in the region are Management of Companies and Enterprises (LQ = 2.06), Manufacturing (1.24), and Wholesale Trade (1.18).

Total Workers for Portland-Vancouver-Hillsboro, OR-WA MSA by Industry



Source: JobsEQ® Data as of 2022Q2

Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2022Q1 with preliminary estimates updated to 2022Q2.

Sectors in the Portland-Vancouver-Hillsboro, OR-WA MSA with the highest average wages per worker are Management of Companies and Enterprises (\$180,883), Utilities (\$127,760), and Information (\$120,705). Regional sectors with the best job growth (or most moderate job losses) over the last 5 years are Construction (+14,434 jobs), Transportation and Warehousing (+12,166), and Health Care and Social Assistance (+9,688).

Over the next 5 years, employment in the Portland-Vancouver-Hillsboro, OR-WA MSA is projected to expand by 85,588 jobs. The fastest growing sector in the region is expected to be Arts, Entertainment, and Recreation with a +3.5% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Health Care and Social Assistance (+18,888 jobs), Accommodation and Food Services (+13,102), and Professional, Scientific, and Technical Services (+6,491).



**Portland-Vancouver-Hillsboro, OR-WA MSA, 2022Q2<sup>1</sup>**

NAICS	Industry	Empl	Current	5-Year History			5-Year Forecast				
			Avg Ann Wages	LQ	Empl Change	Ann %	Total Demand	Exits	Transfers	Empl Growth	Ann % Growth
62	Health Care and Social Assistance	170,760	\$63,885	0.94	9,688	1.2%	104,169	38,489	46,792	18,888	2.1%
31	Manufacturing	126,721	\$94,100	1.24	1,659	0.3%	70,235	22,740	43,540	3,955	0.6%
44	Retail Trade	120,289	\$39,879	0.94	-2,044	-0.3%	81,141	32,175	48,103	863	0.1%
61	Educational Services	96,302	\$61,739	0.96	984	0.2%	52,727	20,609	25,718	6,399	1.3%
72	Accommodation and Food Services	95,966	\$29,111	0.91	-8,379	-1.7%	96,895	35,116	48,677	13,102	2.6%
54	Professional, Scientific, and Technical Services	95,409	\$99,193	1.04	9,687	2.2%	48,858	14,525	27,843	6,491	1.3%
23	Construction	86,292	\$75,584	1.15	14,434	3.7%	46,446	13,414	28,747	4,284	1.0%
56	Administrative and Support and Waste Management and Remediation Services	74,255	\$56,409	0.91	4,041	1.1%	49,343	16,718	27,214	5,411	1.4%
48	Transportation and Warehousing	61,866	\$59,456	0.99	12,166	4.5%	39,087	13,487	21,529	4,071	1.3%
42	Wholesale Trade	55,409	\$98,574	1.18	-549	-0.2%	31,519	10,195	19,302	2,021	0.7%
81	Other Services (except Public Administration)	53,559	\$46,167	0.98	-3,532	-1.3%	35,490	12,533	18,155	4,803	1.7%
52	Finance and Insurance	42,675	\$118,352	0.83	-1,216	-0.6%	21,049	6,617	12,719	1,713	0.8%
55	Management of Companies and Enterprises	39,196	\$180,883	2.06	480	0.2%	19,059	6,061	11,724	1,274	0.6%
92	Public Administration	36,781	\$86,313	0.63	558	0.3%	18,827	6,656	10,740	1,431	0.8%
51	Information	28,639	\$120,705	1.13	1,197	0.9%	17,013	4,615	9,433	2,965	2.0%
53	Real Estate and Rental and Leasing	24,615	\$66,800	1.10	2,168	1.9%	13,375	5,061	7,211	1,103	0.9%
71	Arts, Entertainment, and Recreation	22,533	\$37,962	0.95	-2,318	-1.9%	20,697	6,727	9,690	4,281	3.5%
11	Agriculture, Forestry, Fishing and Hunting	20,225	\$42,842	1.18	1,362	1.4%	13,947	5,025	7,562	1,359	1.3%
22	Utilities	6,297	\$127,760	0.98	267	0.9%	2,896	938	1,960	-2	0.0%
99	Unclassified	3,310	\$66,744	1.54	3,044	65.6%	2,096	733	1,159	204	1.2%
21	Mining, Quarrying, and Oil and Gas Extraction	530	\$79,457	0.12	-135	-4.4%	304	80	195	29	1.1%
<b>Total - All Industries</b>		<b>1,261,629</b>	<b>\$72,791</b>	<b>1.00</b>	<b>43,560</b>	<b>0.7%</b>	<b>790,336</b>	<b>275,935</b>	<b>428,813</b>	<b>85,588</b>	<b>1.3%</b>

Source: [JobsEQ®](#)

Data as of 2022Q2

Note: Figures may not sum due to rounding.

1. All data based upon a four-quarter moving average

Exits and transfers are approximate estimates based upon occupation separation rates.

Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2022Q1 with preliminary estimates updated to 2022Q2. Forecast employment growth uses national projections adapted for regional growth patterns.

# Occupation Snapshot

The largest major occupation group in the Portland-Vancouver-Hillsboro, OR-WA MSA is Office and Administrative Support Occupations, employing 154,051 workers. The next-largest occupation groups in the region are Sales and Related Occupations (111,127 workers) and Transportation and Material Moving Occupations (109,261). High location quotients (LQs) indicate occupation groups in which a region has high concentrations of employment compared to the national average. The major groups with the largest LQs in the region are Architecture and Engineering Occupations (LQ = 1.62), Farming, Fishing, and Forestry Occupations (1.32), and Life, Physical, and Social Science Occupations (1.22).

Occupation groups in the Portland-Vancouver-Hillsboro, OR-WA MSA with the highest average wages per worker are Management Occupations (\$118,000), Legal Occupations (\$115,500), and Healthcare Practitioners and Technical Occupations (\$105,300). The unemployment rate in the region varied among the major groups from 1.2% among Healthcare Practitioners and Technical Occupations to 7.2% among Food Preparation and Serving Related Occupations.

Over the next 5 years, the fastest growing occupation group in the Portland-Vancouver-Hillsboro, OR-WA MSA is expected to be Personal Care and Service Occupations with a +2.9% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Food Preparation and Serving Related Occupations (+12,575 jobs) and Healthcare Support Occupations (+7,637). Over the same period, the highest separation demand (occupation demand due to retirements and workers moving from one occupation to another) is expected in Food Preparation and Serving Related Occupations (94,775 jobs) and Office and Administrative Support Occupations (85,469).

**Portland-Vancouver-Hillsboro, OR-WA MSA, 2022Q2<sup>1</sup>**

SOC	Occupation	Empl	Mean Ann Wages <sup>2</sup>	LQ	Current		5-Year History			5-Year Forecast				
					Unempl	Unempl Rate	Online Job Ads <sup>3</sup>	Empl Change	Ann %	Total Demand	Exits	Transfers	Empl Growth	Ann % Growth
43-0000	Office and Administrative Support	154,051	\$46,500	0.99	5,617	3.5%	6,157	-11,538	-1.4%	87,398	37,467	48,002	1,928	0.2%
41-0000	Sales and Related	111,127	\$50,700	0.94	5,710	4.8%	7,297	-5,539	-1.0%	75,472	28,485	44,292	2,694	0.5%
53-0000	Transportation and Material Moving	109,261	\$44,500	0.99	6,453	5.7%	6,205	11,690	2.3%	80,481	27,373	45,927	7,181	1.3%
35-0000	Food Preparation and Serving Related	95,950	\$34,800	0.97	7,295	7.2%	5,163	-7,619	-1.5%	107,350	40,327	54,448	12,575	2.5%
11-0000	Management	90,547	\$118,000	1.05	2,119	2.2%	9,318	9,789	2.3%	45,127	11,779	26,660	6,687	1.4%
13-0000	Business and Financial Operations	85,030	\$83,900	1.05	2,065	2.3%	5,350	16,891	4.5%	43,827	11,785	26,316	5,725	1.3%
51-0000	Production	76,905	\$46,000	1.08	3,516	4.5%	2,639	-2,257	-0.6%	44,918	14,912	28,290	1,716	0.4%
25-0000	Educational Instruction and Library	61,594	\$72,000	0.91	1,762	2.7%	2,714	-79	0.0%	34,149	14,043	15,361	4,744	1.5%
47-0000	Construction and Extraction	60,970	\$65,000	1.07	3,315	5.4%	1,115	6,428	2.3%	34,459	9,386	21,638	3,435	1.1%
29-0000	Healthcare Practitioners and Technical	60,315	\$105,300	0.82	750	1.2%	11,312	5,000	1.7%	22,382	8,161	9,298	4,923	1.6%
31-0000	Healthcare Support	53,027	\$39,000	0.95	2,215	4.1%	4,107	4,406	1.7%	45,561	18,229	19,694	7,637	2.7%
15-0000	Computer and Mathematical	50,342	\$101,800	1.16	817	1.6%	7,007	12,466	5.9%	23,848	5,732	13,444	4,672	1.8%
49-0000	Installation, Maintenance, and Repair	46,708	\$57,800	0.96	1,220	2.6%	3,246	1,038	0.5%	26,526	7,813	15,657	3,056	1.3%
37-0000	Building and Grounds Cleaning and Maintenance	35,906	\$38,100	0.86	1,954	5.3%	1,933	-2,975	-1.6%	27,160	10,635	14,042	2,483	1.3%
17-0000	Architecture and Engineering	33,247	\$96,700	1.62	646	1.9%	2,745	1,447	0.9%	13,971	4,080	8,415	1,476	0.9%

**Portland-Vancouver-Hillsboro, OR-WA MSA, 2022Q2<sup>1</sup>**

SOC	Occupation	Empl	Mean Ann Wages <sup>2</sup>	Current			5-Year History			5-Year Forecast				
				LQ	Unempl	Unempl Rate	Online Job Ads <sup>3</sup>	Empl Change	Ann %	Total Demand	Exits	Transfers	Empl Growth	Ann % Growth
39-0000	Personal Care and Service	32,260	\$37,700	1.06	2,475	7.1%	1,247	297	0.2%	30,208	11,162	14,106	4,941	2.9%
21-0000	Community and Social Service	25,644	\$57,600	1.15	537	1.9%	2,649	811	0.6%	16,599	4,869	8,995	2,735	2.0%
27-0000	Arts, Design, Entertainment, Sports, and Media	25,596	\$66,000	1.15	1,523	5.3%	1,145	-403	-0.3%	16,212	5,237	8,614	2,362	1.8%
33-0000	Protective Service	18,804	\$59,200	0.70	790	4.0%	1,629	1,176	1.3%	13,674	5,531	6,723	1,419	1.5%
19-0000	Life, Physical, and Social Science	13,548	\$79,600	1.22	442	2.9%	1,172	1,359	2.1%	7,655	1,538	5,239	878	1.3%
45-0000	Farming, Fishing, and Forestry	10,800	\$36,200	1.32	591	5.1%	59	1,030	2.0%	9,659	2,389	6,497	772	1.4%
23-0000	Legal	9,998	\$115,500	0.92	186	1.8%	311	141	0.3%	4,305	1,500	2,148	657	1.3%
<b>Total - All Occupations</b>		<b>1,261,629</b>	<b>\$63,200</b>	<b>1.00</b>	<b>51,998</b>	<b>4.0%</b>	<b>84,519</b>	<b>43,560</b>	<b>0.7%</b>	<b>811,829</b>	<b>282,434</b>	<b>443,807</b>	<b>85,588</b>	<b>1.3%</b>

Source: [JobsEQ®](https://www.chmuraecon.com/jobseq)

Data as of 2022Q2 unless noted otherwise

Note: Figures may not sum due to rounding.

1. Data based on a four-quarter moving average unless noted otherwise.

2. Wage data are as of 2021 and represent the average for all Covered Employment

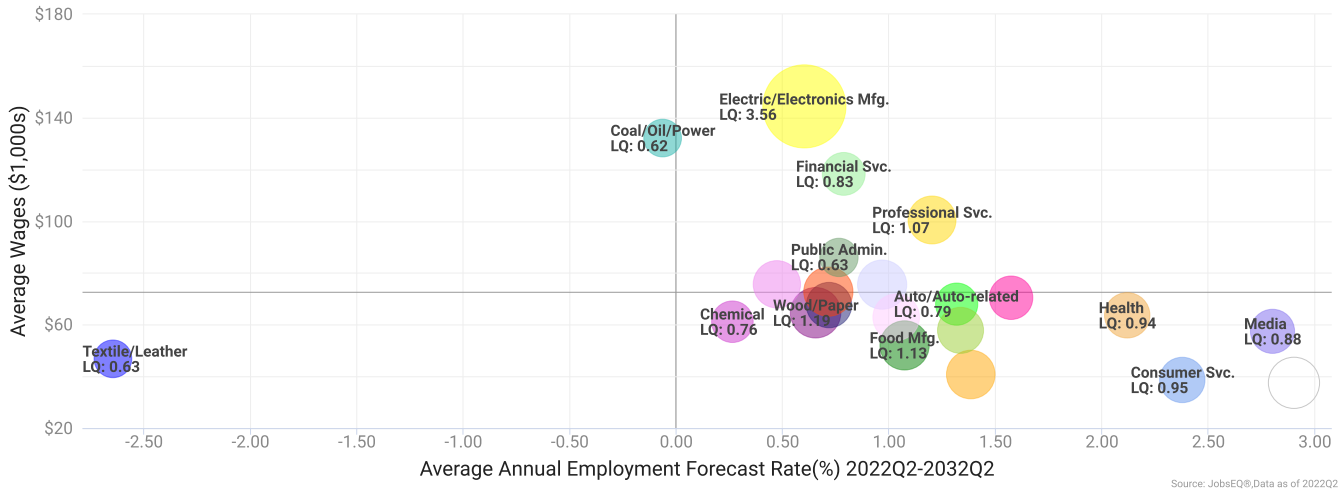
3. Data represent found online ads active within the last thirty days in the selected region; data represents a sampling rather than the complete universe of postings. Ads lacking zip code information but designating a place (city, town, etc.) may be assigned to the zip code with greatest employment in that place for queries in this analytic. Due to alternative county-assignment algorithms, ad counts in this analytic may not match that shown in RTI (nor in the popup window ad list).

Occupation employment data are estimated via industry employment data and the estimated industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q1, imputed where necessary with preliminary estimates updated to 2022Q2. Wages by occupation are as of 2021 provided by the BLS and imputed where necessary. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Industry Clusters

A cluster is a geographic concentration of interrelated industries or occupations. The industry cluster in the Portland-Vancouver-Hillsboro, OR-WA MSA with the highest relative concentration is Electric/Electronics Mfg. with a location quotient of 3.56. This cluster employs 47,353 workers in the region with an average wage of \$144,343. Employment in the Electric/Electronics Mfg. cluster is projected to expand in the region about 0.6% per year over the next ten years.

Industry Clusters for Portland-Vancouver-Hillsboro, OR-WA MSA as of 2022Q2

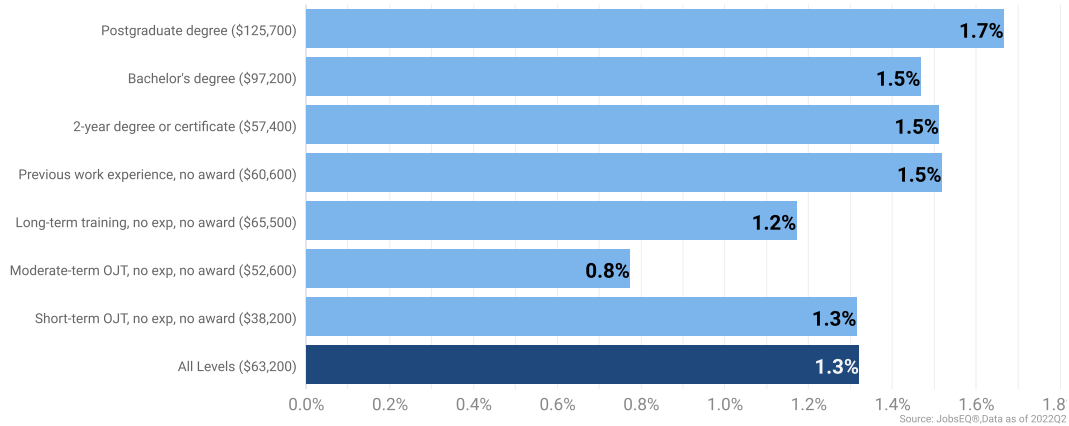


Location quotient and average wage data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics, imputed where necessary, and updated through 2022Q1 with preliminary estimates updated to 2022Q2. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Education Levels

Expected growth rates for occupations vary by the education and training required. While all employment in the Portland-Vancouver-Hillsboro, OR-WA MSA is projected to grow 1.3% over the next ten years, occupations typically requiring a postgraduate degree are expected to grow 1.7% per year, those requiring a bachelor's degree are forecast to grow 1.5% per year, and occupations typically needing a 2-year degree or certificate are expected to grow 1.5% per year.

Annual Average Projected Job Growth by Training Required

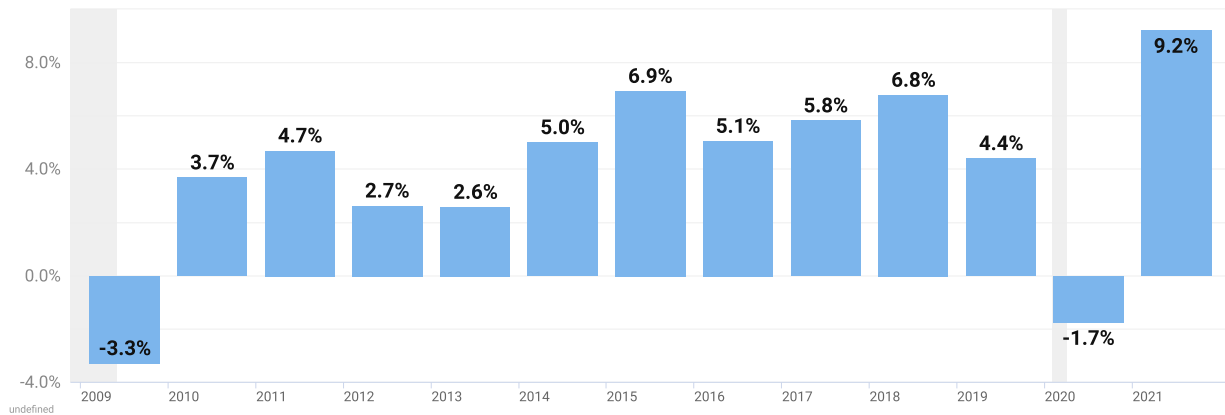


Employment by occupation data are estimates as of 2022Q2. Education levels of occupations are based on BLS assignments. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Gross Domestic Product

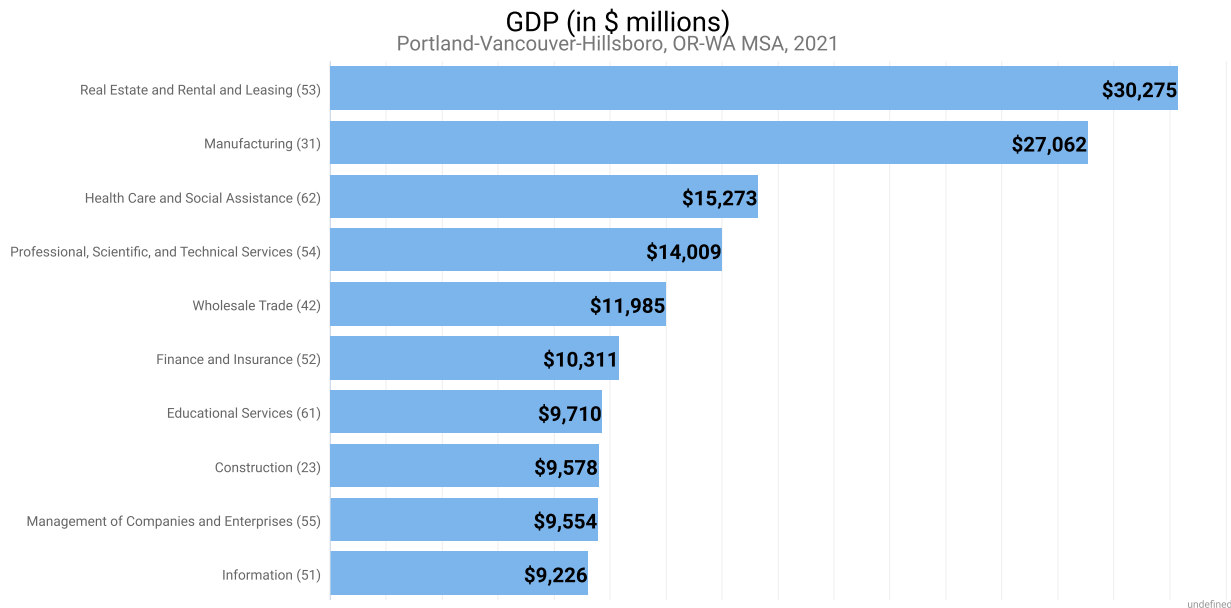
Gross Domestic Product (GDP) is the total value of goods and services produced by a region. In 2021, nominal GDP in the Portland-Vancouver-Hillsboro, OR-WA MSA expanded 9.2%. This follows a contraction of 1.7% in 2020. As of 2021, total GDP in the Portland-Vancouver-Hillsboro, OR-WA MSA was \$188,732,030,000.

1 year % Change in GDP



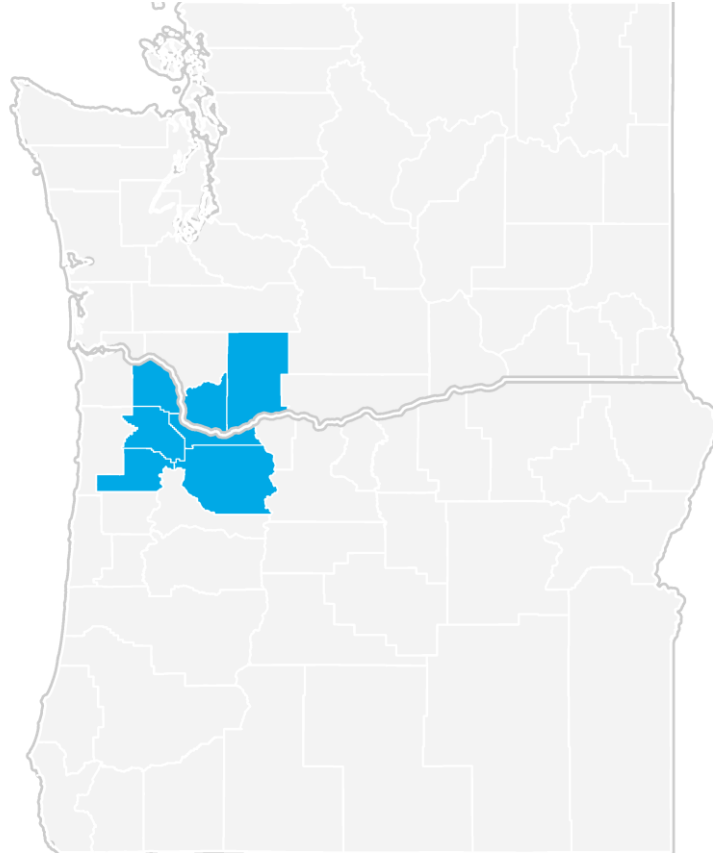
Gross Domestic Product data are provided by the Bureau of Economic Analysis, imputed by Chmura where necessary, updated through 2021.

Of the sectors in the Portland-Vancouver-Hillsboro, OR-WA MSA, Real Estate and Rental and Leasing contributed the largest portion of GDP in 2021, \$30,275,124,000. The next-largest contributions came from Manufacturing (\$27,061,885,000); Health Care and Social Assistance (\$15,272,610,000); and Professional, Scientific, and Technical Services (\$14,008,509,000).



Gross Domestic Product data are provided by the Bureau of Economic Analysis, imputed by Chmura where necessary, updated through 2021.

# Portland-Vancouver-Hillsboro, OR-WA MSA Regional Map



# Region Definition

**Portland-Vancouver-Hillsboro, OR-WA MSA is defined as the following counties:**

Clackamas County, Oregon

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Columbia County, Oregon

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Multnomah County, Oregon

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Washington County, Oregon

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Yamhill County, Oregon

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Clark County, Washington

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Skamania County, Washington

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# FAQ

## What is a location quotient?

A location quotient (LQ) is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

## What is separation demand?

Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. The total projected demand for an occupation is the sum of the separation demand and the growth demand (which is the increase or decrease of jobs in an occupation expected due to expansion or contraction of the overall number of jobs in that occupation).

## What is a cluster?

A cluster is a geographic concentration of interrelated industries or occupations. If a regional cluster has a location quotient of 1.25 or greater, the region is considered to possess a competitive advantage in that cluster.

## What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.

## What is NAICS?

The North American Industry Classification System (NAICS) is used to classify business establishments according to the type of economic activity. The NAICS Code comprises six levels, from the “all industry” level to the 6-digit level. The first two digits define the top level category, known as the “sector,” which is the level examined in this report.

## What is SOC?

The Standard Occupational Classification system (SOC) is used to classify workers into occupational categories. All workers are classified into one of over 804 occupations according to their occupational definition. To facilitate classification, occupations are combined to form 22 major groups, 95 minor groups, and 452 occupation groups. Each occupation group includes detailed occupations requiring similar job duties, skills, education, or experience.

### About This Report

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