



Advanced Manufacturing and Labor Market in Hillsboro

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Have you ever been asked to participate in a Bureau of Labor Statistics Survey? *Please Do!*

BLS survey information is gathered to create data for businesses, jobseekers, workers and policy-makers about the economy including:

Employment*	Unemployment*	Occupational Wages*
Job vacancies*	Productivity	Occupational Employment*
Consumer spending patterns	Workplace injuries	Compensation
Long-term employment projections*	Employer-provided benefits	Price movements

** Collected and produced by Oregon Employment Department*

Your response is vital to ensuring accurate, complete, and unbiased data that is representative of the people and businesses in Oregon and the United States.

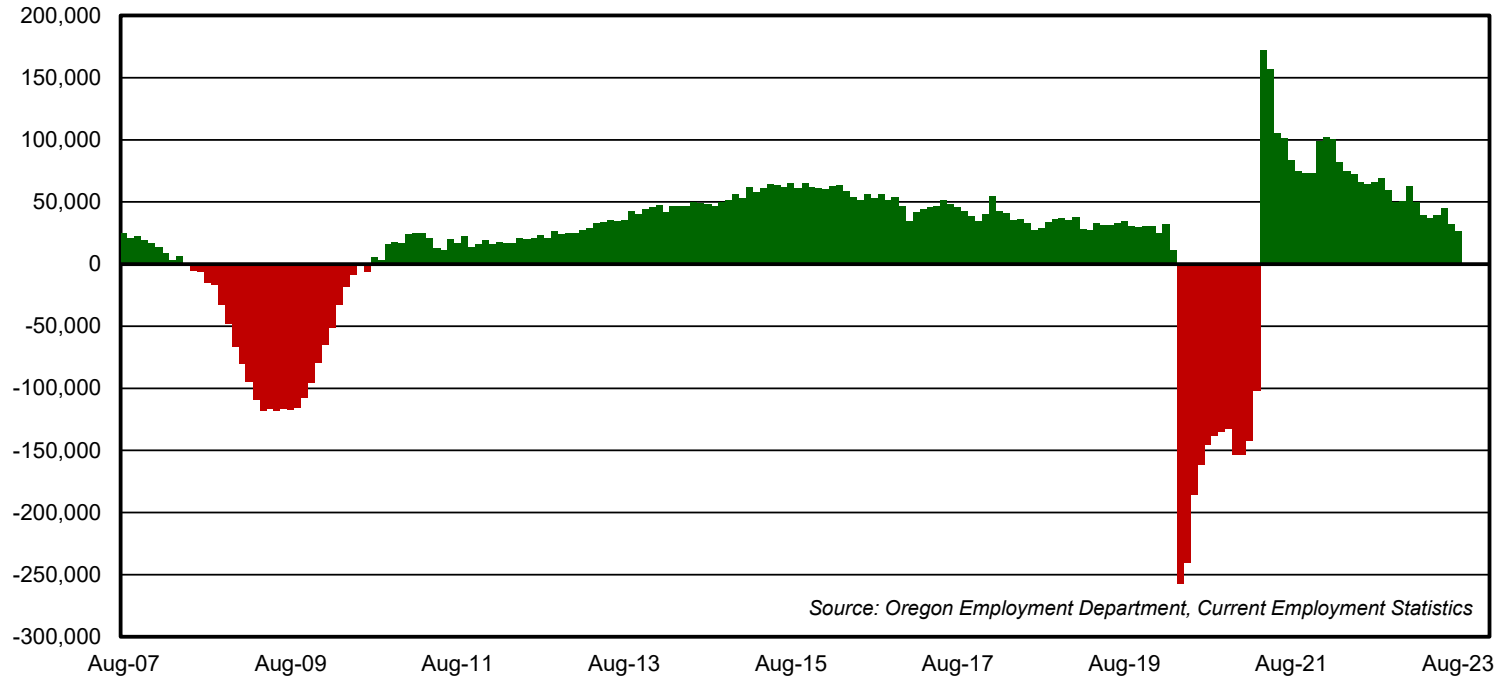
Your confidential responses are protected by federal and state law and strict security policies that prohibit us from releasing any information that could reveal the identity of you or your business without your consent.

Thank you for helping us track the Oregon economy!

Broader Economic Trends

Employment grew by 26,100 jobs (or 1.3%) from August 2022 to August 2023.

Oregon's Year-Over-Year Job Growth/Decline
Seasonally Adjusted

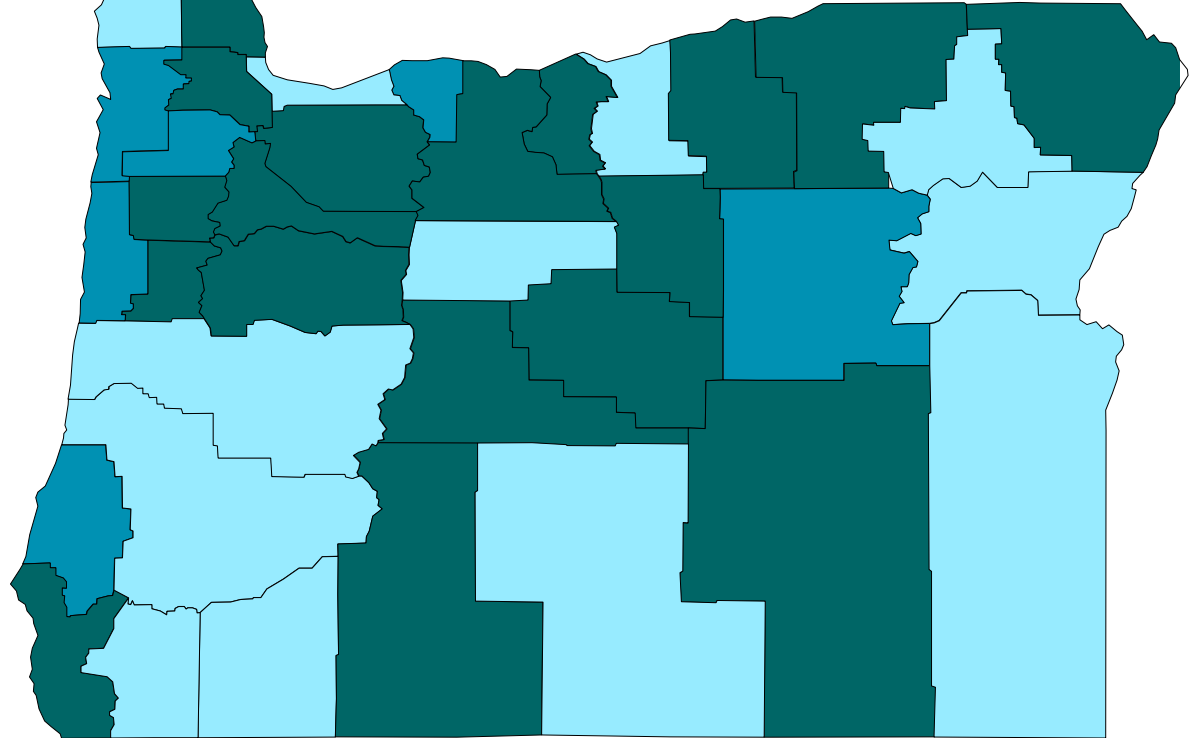


Half of all counties have regained their total pandemic recession job losses:

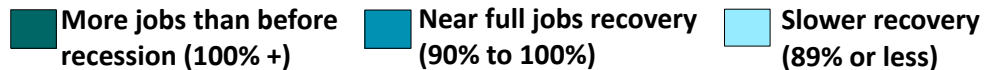
- Benton
- Clackamas
- Columbia
- Crook
- Curry
- Deschutes
- Harney
- Klamath
- Linn
- Marion
- Morrow
- Polk
- Umatilla
- Willamette
- Wallowa
- Wasco
- Washington
- Wheeler
- Yamhill

Recovery of Total Nonfarm Employment as of August 2023

Compared to February 2020 Levels, Seasonally Adjusted, Oregon = 105%



Source: Oregon Employment Department



Half of all counties have regained their total pandemic recession job losses:

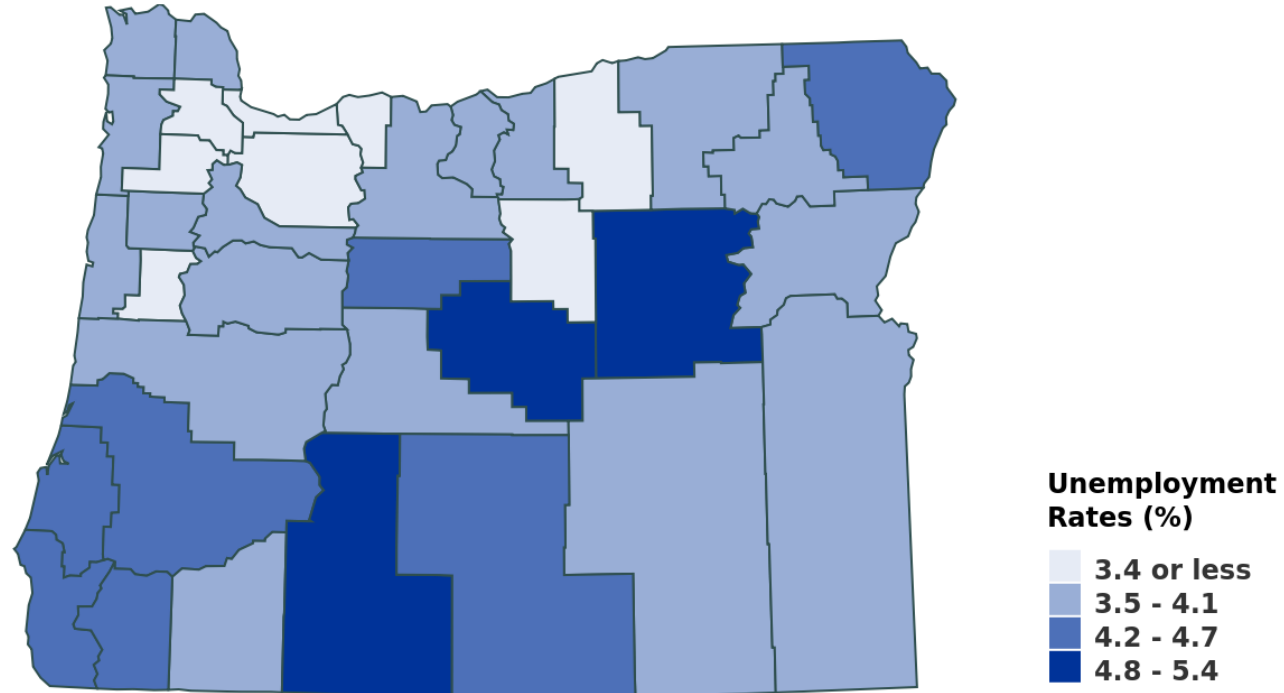
Unemployment rates declined or remained unchanged in 33 of Oregon's 36 counties in August 2023.

Crook County had Oregon's highest seasonally adjusted unemployment rate (5.4%) in August.

Benton and Hood River counties registered the lowest unemployment rate (2.7%).

Seasonally Adjusted Unemployment Rate

August 2023



Oregon Employment Department, Local Area Unemployment Statistics

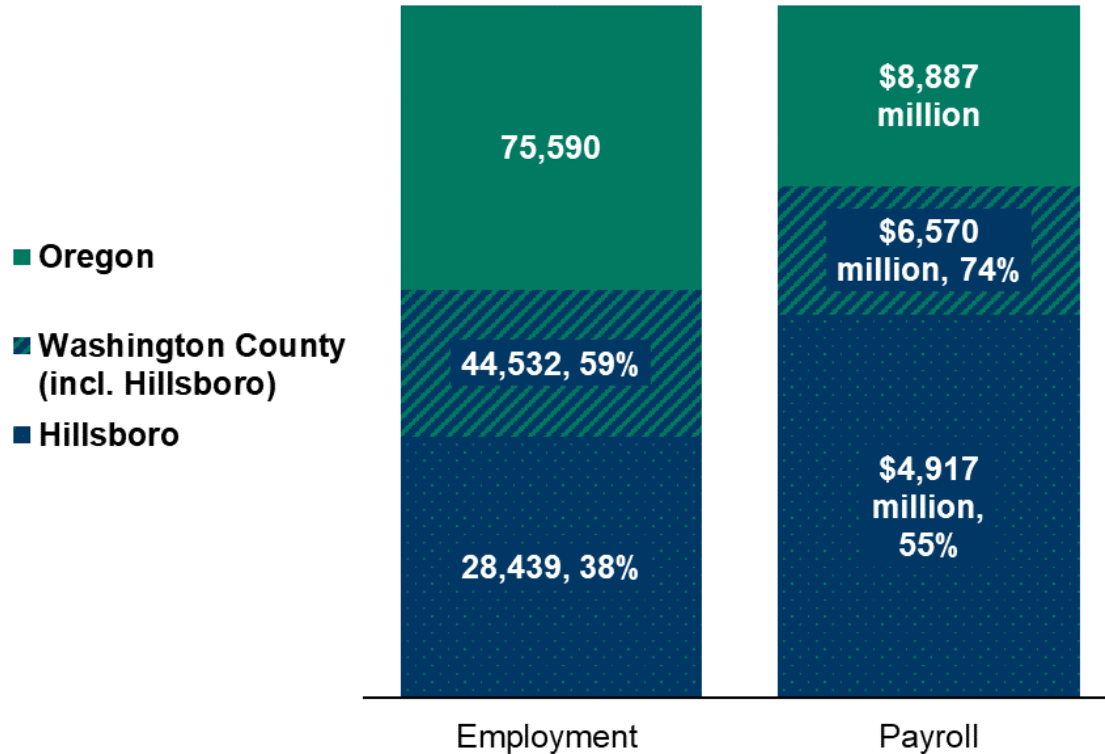
Advanced Manufacturing Employment

Oregon's Advanced Manufacturing Has a Substantial Hold in Hillsboro and Washington County

Computers & Electronics and Advanced Manufacturing Employment and Payroll

Area	Estab	Employment	Payroll	Average Wage
Hillsboro	131	28,439	\$4,916,904,750	\$172,893
Washington County	452	44,532	\$6,569,546,791	\$147,524
Oregon	2,393	75,590	\$8,886,623,506	\$117,563

Employment and Payroll in the Computers & Electronics and Advanced Manufacturing Sector in Hillsboro, Washington County and Oregon



Industry Employment Projections, 2021-2031
Clackamas, Multnomah, and Washington Counties

	2021	2031	Change	% Change
Total employment	1,010,500	1,159,000	148,500	15%
Total payroll employment	950,400	1,095,800	145,400	15%
Total private	836,100	972,000	135,900	16%
Manufacturing	99,200	107,300	8,100	8%
Durable goods	74,600	81,500	6,900	9%
Wood product manufacturing	2,200	2,300	100	5%
Primary metal manufacturing	3,900	5,200	1,300	33%
Fabricated metal product manufacturing	10,000	11,000	1,000	10%
Machinery manufacturing	8,200	9,200	1,000	12%
Computer and electronic product manufacturing	34,000	35,600	1,600	5%
Semiconductor and electronic component mfg.	28,300	30,000	1,700	6%
Electronic instrument manufacturing	4,100	4,100	0	0%
Transportation equipment manufacturing	5,300	6,000	700	13%
Nondurable goods	24,600	25,900	1,300	5%
Food manufacturing	11,300	12,300	1,000	9%
Paper manufacturing	1,800	1,800	0	0%

CHIPS Act Could Add 2,000 Manufacturing Jobs

- ECONorthwest estimates that 2,000 jobs will be added because of the CHIPS Act
- This estimation is based occupational staffing patterns

Occupation title	Estimated Jobs Added Related to CHIPS Act
Electrical, Electronic, and Electromechanical Assemblers, Semiconductor Processing Technicians	295
Inspectors, Testers, Sorters, Samplers, and Weighers	117
Industrial Engineers	91
Software Developers	84
Electronics Engineers, Except Computer	71
Computer Hardware Engineers	63
Electrical and Electronic Engineering Technologists and Technicians	63
First-Line Supervisors of Production and Operating Workers	62
Architectural and Engineering Managers	58
	43

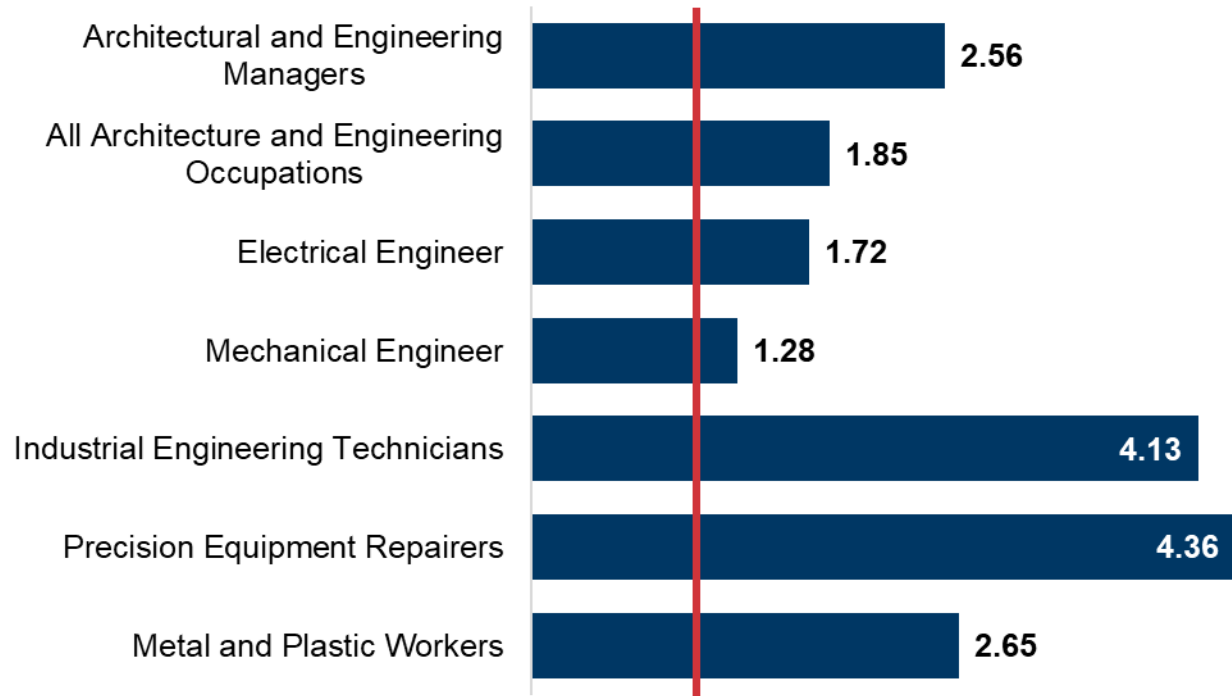


Advanced Manufacturing Workforce

High Concentration of Advanced Manufacturing Talent in Portland area

- Portland has higher than average concentration of these jobs in the U.S.
- Portland area has a disproportionately higher number of engineers, technicians and repairers

Concentration of Advanced Manufacturing Occupations in the Portland MSA



1.00 = U.S. employment concentration average

Manufacturing tends to be a tighter than most industries

- *Note: This data tends to be noisy*
- The unemployment rate tends to be lower
- That means there tends to be a smaller available labor pool for some manufacturing sectors

Manufacturing Unemployment in the U.S. in 2022

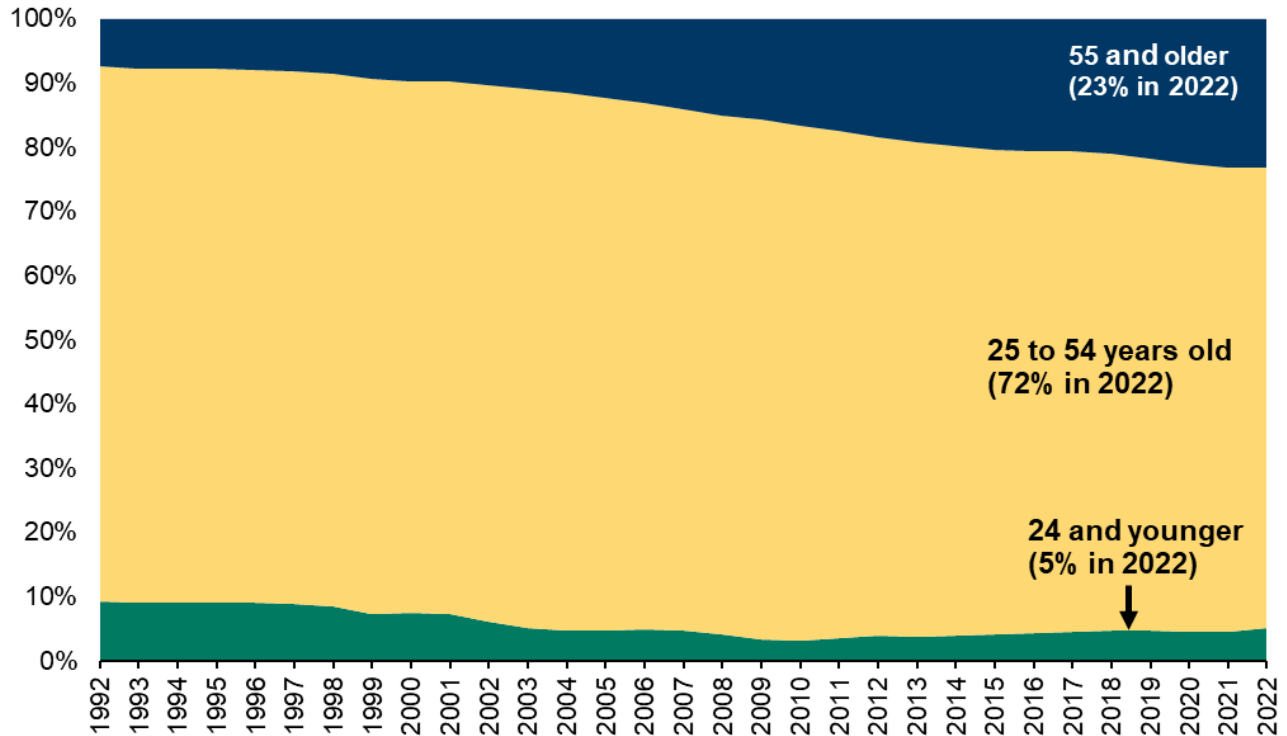
Industry	Unemployment Rate
<i>Total, 16 years and over</i>	3.6%
Primary metals and fabricated metal products	↓ 2.9%
Machinery manufacturing	↓ 2.1%
Computer and electronic products	↓ 2.9%
Electrical equipment and appliances	↑ 6.0%
Furniture and related products	↑ 4.3%

Source: Bureau of Labor Statistics, Current Population Survey

Washington County Manufacturing Workforce is Aging

- Nearly a quarter of workers are within 10 years of retiring
- Over the last 10 years, the share of workers over 55 more than doubled
- Birth rates have declined, so this won't fix itself
- Need to have a plan to recruit future workforce

Age of the Manufacturing Sector in Washington County



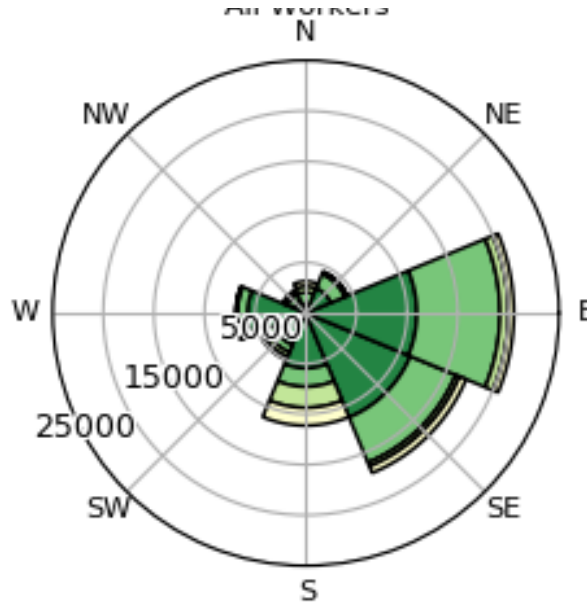
Where Hillsboro Workers Live

Where Hillsboro Workers Live

	<u>Count</u>	<u>Share</u>
Hillsboro	15,046	21.3%
Portland	8,779	12.4%
Beaverton	4,713	6.7%
Aloha	4,143	5.9%
Bethany	3,366	4.8%
Forest Grove	2,049	2.9%
Tigard	1,663	2.3%
Cornelius	1,264	1.8%
Cedar Mill	1,196	1.7%
Rockcreek	1,072	1.5%
Oak Hills	932	1.3%
All Other Locations	26,581	37.5%

Source: U.S. Census Bureau, OnTheMap

Direction and Distance of Home Relative to Workplace in Hillsboro



Distance from Workplace for Hillsboro Workers

	<u>Count</u>	<u>Share</u>
Total Private Primary Jobs	70,804	100.0%
Less than 10 miles	41,718	58.9%
10 to 24 miles	19,883	28.1%
25 to 50 miles	4,918	6.9%
Greater than 50 miles	4,285	6.1%

Source: U.S. Census Bureau, OnTheMap



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for the Portland Area**

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