



2022–2023

STATE OF WORKFORCE LABOR REPORT

THE COLUMBIA-WILLAMETTE WORKFORCE COLLABORATIVE
Working together to develop and support regional talent



ABOUT

ABOUT THE COLUMBIA-WILLAMETTE WORKFORCE COLLABORATIVE

The Columbia-Willamette Workforce Collaborative (Collaborative) is a partnership between Clackamas Workforce Partnership, Workforce Southwest Washington and Worksystems: the three Workforce Development Boards covering the Portland-Vancouver Metropolitan Area. The Collaborative delivers a unified approach to serving industry, supporting economic development, and guiding public workforce training investments to better address the needs of our combined labor shed. We know that people are willing to travel throughout the region for the best opportunities and that employers need the most qualified workers regardless of where they live. By working together, we can cultivate our regional talent pool and build the foundation for a strong economy.

ABOUT THE GEOGRAPHIES

Throughout this report, data is often provided for all nine counties found on the map at right. These nine counties, when combined, are referred to as the Portland-Vancouver Metro Area (PVMA). The PVMA is a combination of the seven-county Portland-Vancouver-Hillsboro Metro Statistical Area (MSA) and two additional counties served by the Collaborative — Cowlitz and Wahkiakum counties in Southwest Washington.

Columbia, Yamhill, and Skamania counties are not a part of the Collaborative's geography; however, they remain an important part of this report as they are included with the Portland MSA. In instances where data is not available for the nine-county region combined, data instead is provided for the seven-county MSA.



ABOUT THIS REPORT

The Collaborative is focused on aligning and investing resources to support the workforce needs of five sectors: Advanced Manufacturing, Clean Energy, Healthcare, Technology, and Construction. Sectors are chosen based on factors such as their economic significance to the region, current number of openings and job growth projections, average wages that support self-sufficiency, and career ladder opportunities across the skill continuum. By examining labor market intelligence (such as the data contained in this report) and vetting the information with business partners, we are able to better understand industry trends, identify current and emergent workforce needs, and develop customized solutions for each sector.

SNAPSHOT

This report examines the state of the workforce in the greater Portland-Vancouver Metro Area (PVMA). A great deal has changed since the 2018 State of the Workforce Report was published.

In February 2020, the region was experiencing a historically low unemployment rate. Then in March 2020, the COVID-19 pandemic hit, and everything changed. Within two months, the unemployment rate had increased by a factor of four. More than 170,000 area residents were qualified to receive unemployment benefits. Many more households were coping with loss of income and economic uncertainty. The economic impacts of the COVID-19 pandemic created unsustainable demands on social services and taxed community resources that many vulnerable populations rely upon. The effects of the pandemic were also layered upon a period of social and political unrest and the accelerating impacts of climate change. Unprecedented inflation that outpaced personal income growth further added to the financial burden on area workers and their families.

The challenges of the past three years have not been felt evenly across the economy. The loss of low-wage jobs disproportionately impacted communities of color and younger workers. During the pandemic we saw many women overly burdened with caregiving responsibilities leave the labor force. Today many of them have returned but we have yet to see the full impact of the gap in employment.

As we emerge from the pandemic, the Portland-Vancouver Metro Area has recovered nearly all of the jobs that were lost since 2020 and employment growth has been strong. The region's labor force participation rate is above the national average. However, despite the high labor force participation rate and a labor force that is the largest it has ever been, some employers are having difficulty finding the qualified workers they need. Conversely, the tech industry is experiencing a round of high-profile layoffs, indicating that the next recession might be around the corner.

The post-recession economy is much changed. COVID-19 accelerated existing workforce trends, including remote work, e-commerce, and automation. Some industries grew while others shrank. The pandemic led many people to reassess their careers. Retirements, new business formation, and rates of turnover all increased during the past three years. After declining for decades, rates of unionization are increasing as workers are able to demand a stronger voice and higher wages.

Assisting local workers prepare for the region's shifting, growing economy — and thereby aiding business to find qualified workers — is critical to the health of the regional economy. For a community to prosper, concentrated efforts must be made to align workforce supply with industry demand. Ideally, the economy should exist in a state of equilibrium, where the supply and skills of workers parallel industry demand. Perfect alignment, however, rarely occurs since it requires a dynamic balance between social, economic, and demographic factors influenced by local, national, and global trends. In today's constantly shifting world with rapidly evolving technology, understanding where misalignments exist is paramount to ensuring the region establishes and maintains competitive edges across growing sectors. The Columbia-Willamette Workforce Collaborative (CWWC) — comprised of the three Workforce Development Boards covering the Portland-Vancouver region — is working together to bridge the gaps between workforce supply and industry demand, and align resources to prepare job seekers to succeed in today's labor market. Using the data available in this report, we will work with regional partners and leaders to shape policy, consider investments, and implement strategies to improve the quality and health of the workforce.

COVID-19

The COVID-19 recession was swifter and more severe than the Great Recession of 2007–2009. In one month, employment in the Portland-Vancouver Metro Area decreased more than it did during the first two years of the Great Recession. While the recovery was also much more rapid, COVID has permanently altered the economy by accelerating existing trends in remote work, e-commerce, and automation.

Nationally, an estimated 18% of workers work remotely. Even though the majority of workers continue to work onsite, the increase in remote work has had ripple effects throughout the economy. There is less demand for retail and restaurants in areas that were pre-pandemic employment hubs. A decline in business travel and tourism have impacted downtown businesses, including hotels, restaurants, and retail. Fewer commuters have resulted in lost revenue and a decrease in transit options. There are fewer service-sector jobs, and it is increasingly expensive for workers to commute to those jobs.

Employment in restaurants and retail haven't recovered from pandemic losses, while transportation and warehousing barely lost any jobs in 2020 and are well above pre-pandemic highs. Between 2019 and 2021, the number of accommodations and food service jobs in the Portland-Vancouver MSA decreased 21%, losing nearly 23,000 jobs. During the same period, transportation and warehousing gained more than 4,300 jobs, a 10% increase.

Historically, recessions accelerate the adoption of automation and artificial intelligence (AI). This was particularly true of the COVID-19 recession. The pandemic encouraged greater adoption of AI as businesses and individuals sought to limit in-person interactions. Restaurants are a prime example of this shift. Fast-food and counter workers are being replaced by touchscreen ordering, while waitstaff are being replaced by phone apps that allow customers to send their orders directly to the kitchen.

The COVID-19 pandemic was a national crisis that led many people to reevaluate their own priorities when it came to where and how they lived and worked. Many workers were forced to leave the labor market to provide care for children and other family members when schools, daycare centers, and community centers closed. A significant number of workers dropped out of the labor force because they feared getting or spreading COVID-19. Not all those workers have returned to the workforce. Finding dependable and affordable child and elder care continues to pose a challenge for many families. Higher wages combined with higher levels of household savings during the pandemic have reduced the need for a second paycheck in some households. Other workers decided to retire early or strike out on their own. During the first year of the pandemic, new business formation in Oregon increased 14%. In April 2022, 7.3% of Oregonians were self-employed, the highest rate in six years. Other workers changed jobs in search of better conditions or higher wages.

Many of the workers who lost their jobs during 2020 did not return to their previous occupations. This was the result of shifts in industry share of employment; employment in some industries grew due to increased demand, while employment in others was impacted by increased adoption of automation, inflation, rising interest rates, and oil prices. It was also the result of personal reflection and choice due to an unprecedented moment of change.

DEMOGRAPHICS & THE LABOR MARKET

Today, there are more people participating in the regional labor force than at any other time in history. The labor force participation rate is an estimate of the number of people ages 16 and older who are employed or actively seeking employment, divided by the non-institutionalized, civilian working-age population. Ninety-six percent of people in the labor force are currently employed. The remaining 4% are actively looking for work. On an annual basis, the regional rate of growth has outpaced the national rate of growth 12 of the past 15 years.

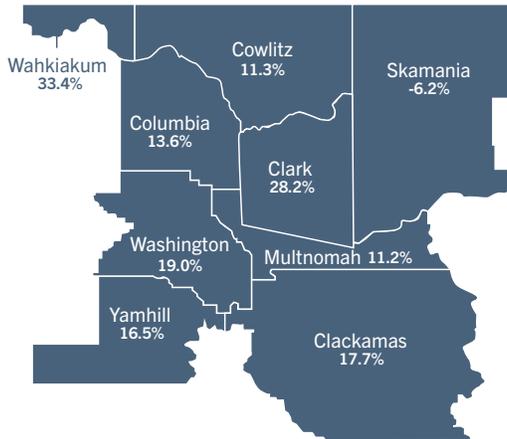
During the late 1990s, the birth rate dropped. Today that means fewer people entering the labor force. There are 20% fewer people in their early to mid-20s than in the mid to late 20s.

The labor force participation rate is lower for this age group as people go to college or participate in training.

As fewer young people are entering the labor force, more older workers are leaving. The pandemic accelerated retirement as many workers who were able to retire stopped working. Those workers aren't coming back. The national labor force participation rate for workers 65 and over who do not have a disability dropped in 2020 and remains below pre-pandemic levels.

REGIONAL LABOR FORCE

REGIONAL LABOR FORCE 10-YEAR GROWTH 2011–2021



Regional labor force has increase 16% since 2011. Since 2020, the PVMA's labor force grew five times faster than the national labor force.

EDUCATION



39%
of adults have a bachelor's degree or higher

SHARE OF INDUSTRY'S EMPLOYMENT: 55+ WORKERS

24% of the region's workforce is age 55+, with the majority employed in:

	Manufacturing	26%
	Health Care & Social Assistance	24%
	Government	25%

LARGEST EMPLOYERS IN THE PORTLAND METROPOLITAN AREA

(Ranked by number of local employees)

Rank	Company	Number of Local Employees
1	Intel Corp	21,000
2	Providence Health & Services	21,000
3	Oregon Health and Science University	18,048
4	Nike Inc.	13,964
5	Legacy Health System	13,120
6	Kaiser Permanente Northwest	11,163
7	Fred Meyer Stores	9,525
8	Portland Public Schools**	6,847
9	City of Portland**	6,635
10	Multnomah County**	5,096
11	U.S. Department of Veterans Affairs**	4,783
12	Beaverton School District**	4,606
13	Walmart	4,500
14	PeaceHealth Southwest Washington Medical Center**	4,482
15	Vancouver Public Schools	4,347
16	U.S. Postal Service**	3,717
17	Wells Fargo	3,500
18	Portland Community College	3,397
19	Portland State University	3,136
20	TriMet	3,117

**2020 Employment

REGIONAL SKILLS SUPPLY

A strong, vibrant economy requires a skilled workforce. Rapid technological advancements demand increasingly higher skills, requiring training, and education beyond high school.

Educational attainment in the Portland-Vancouver Metro Area is higher than the national average. Thirty-nine percent of adults in the region have a bachelor's or advanced degree, compared to 33% nationally. Nearly half of adults in Multnomah and Washington counties have bachelor's or professional degrees. Rates of educational attainment increased during the early part of the century when the region was attracting a steady stream of educated workers from around the country. However, in recent years, rates of educational attainment have been stagnant. The region's higher-education landscape contains more than 35 institutions, including five community colleges and an array of private and public institutions supporting a broad mix of disciplines and degrees.

High school graduation rates continue to climb — more than 85% of the students in the Portland-Vancouver Metro Area graduate in four years. The graduation rate has increased significantly for Black and Hispanic students. Hispanic students now graduate at a rate on par with their white classmates, and while Black students continue to graduate at lower rates, the gap has noticeably shrunk over the past four years.

Notwithstanding these successes, more than 4,100 youth drop out of high school every year, and less than 40% of regional 11th-graders are proficient in math. The COVID-19 pandemic and related school closures exacerbated existing educational disparities. Oregon students scored lower on assessment tests in spring 2022, compared with tests taken in spring 2019. Students who were already behind suffered the greatest setbacks. Just 39% of students in grades three and eight earned a proficient score in reading and writing, compared with 51% in spring 2019. Math scores were similarly impacted, with just 28% of students scoring proficient compared to 40% in 2019. In Washington, reading and writing scores decreased from 61% to 52% proficient. The decline in math proficiency was even greater, decreasing from 50% of students scored proficient in 2019 to just 33% of students scoring proficient in 2022.

During the pandemic, high school and college classes shifted online. Many students or potential students delayed returning to school. Enrollment at colleges and universities across Oregon and Washington decreased in fall 2020. Community colleges were hardest hit, declining 23% in Oregon and 19% in Washington from fall 2019. In the Portland-Vancouver Metro Area, enrollment in regional community colleges decreased between 17% and 29%. Together, there were more than 14,500 fewer students enrolled in those Portland-Vancouver Metro community colleges in 2020 than in 2019.

An additional 18,200 workers in the region work full-time, year-round, but are living below the poverty level. The COVID-19 pandemic accelerated economic trends that reshaped where and how many people work. Many lower-paying customer service-oriented jobs were lost, and new growth has primarily been in areas that require higher levels of education and training. The CWWC has committed to working together across program and jurisdictional boundaries to build employer partnerships and address the skill shortage facing the regional workforce. Building a strong regional workforce requires skill-building beyond traditional college-aged students. The CWWC works with partners to develop creative ways to engage and incentivize youth and adults to pursue and complete educational and industry-recognized credentials and to participate in paid work experiences that increase awareness of and interest in high-demand occupations.

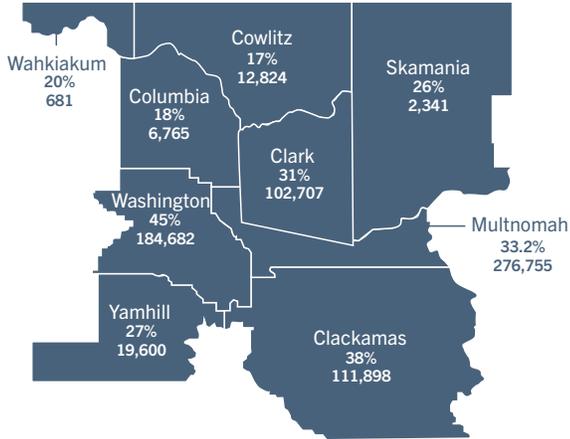
Particular emphasis is placed on occupations commonly found in five target sectors: Advanced Manufacturing, Healthcare, Technology, Clean Energy, and Construction. By focusing training to prepare people for mid-level jobs found in these sectors, the CWWC can efficiently leverage its resources to provide customers a platform to find career-track employment and earn self-sufficiency wages.

Oregon and several areas in Washington have adopted the National Career Readiness Certificate (NCRC), a portable credential that demonstrates achievement and a level of workplace readiness skills in applied mathematics, locating information, and reading for information. Increasing regional employer awareness about the NCRC will bolster the initiative's success to date. As of August 2022, nearly 22,200 residents have attained an NCRC — a real, tangible credential that informs regional employers of a potential employee's workplace skills.

While the pandemic has produced an unprecedented level of economic disruption in the short-term, the long-term disruptive effects of global climate change are becoming increasingly apparent. The physical climate is indisputably changing, both in our region and around the world. In the Pacific Northwest, forest fires increasingly threaten suburban and rural communities. Ironically, the existential threat posed by climate change is fostering growing economic opportunities in existing and emerging sectors. Individual and collective efforts to fight climate change have resulted in increased investment and new jobs in clean technology. The CWWC recently introduced a new target sector focused on green technology.

REGIONAL SKILLS SUPPLY

PEOPLE AGE 25+ WITH A BACHELOR'S DEGREE OR HIGHER:



FIELDS OF BACHELOR'S DEGREE FOR POPULATION 25+: 2017

	Science, Engineering and Related Fields	48%
	Arts, Humanities, and Other	28%
	Business	17%
	Education	8%

UNIONIZATION

 **16%** 
of the metro area's workers are union members, up from 2017 (13%)

H-1B VISAS

 **9,180** 
H-1B Visas were issued in 2021, down from 2017 (9,600)

REGIONAL LABOR FORCE

The Portland-Vancouver Metro Area continues to have a strong economy following the COVID-19 recession. For decades, a high quality of life and low cost of living, compared with other West Coast cities combined with a robust entrepreneurial culture that promotes small-business growth has attracted young, creative talent from across the globe. This continues to be true, despite a few challenging years.

The manufacturing sector continues to innovate across the region to remain competitive. High growth has been occurring in distinct industries, resulting in a more diversified economy. Regions with diversified economies are more likely to be resilient against downturns.

Despite these strengths, numerous challenges threaten the sustainability and health of the region's workforce and economy. Job growth and labor force numbers continue to grow, yet too often employers struggle to find qualified workers. Nearly a quarter of the workforce is over the age of 55 and will reach retirement age within the next decade. A substantial portion of the older workforce can be found in key sectors such as manufacturing and healthcare. The region's per capita income continues to grow faster than the nation's, yet only two of the region's top 10 most prevalent occupations (registered nurses and general operations managers) pay wages sufficient to allow a single parent with two children to support their family without requiring public assistance. Furthermore, both these occupations typically require a bachelor's degree. The remaining eight occupations pay, on average, less than \$34,500 annually, which is not a self-sufficiency wage for this region.

The healthcare industry faces a severe shortage of its two largest occupations, nurses, and home healthcare aides. This shortage was accelerated by the COVID-19 pandemic and the closure of several regional educational institutions.

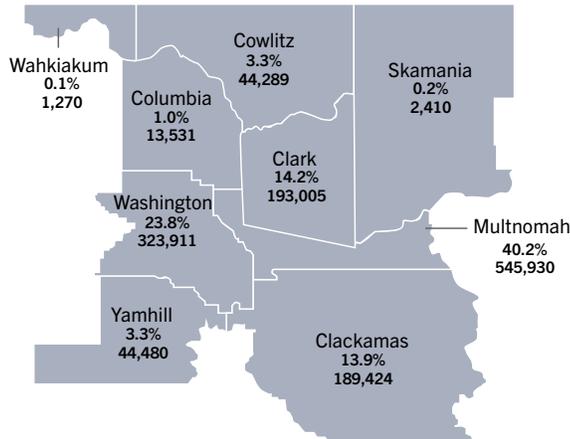
Over the next decade, jobs in the five target sectors are expected to experience strong growth. The occupations with the greatest anticipated growth are in Healthcare (led by registered nurses and home health and personal care aides) and Technology (led by software developers). Multiple Construction occupations, including carpenters, construction laborers, and electricians are expected to grow. Some of the strongest occupational growth is anticipated in the new target sector, Clean Energy. Local, state, and federal investments in clean energy, combined with a consumer market eager for environmentally friendly goods and services, are combining to create opportunities for skilled workers.

The current skill shortage presents both a challenge and opportunity for regional stakeholders — a more coordinated approach will ensure the region addresses its workforce needs. Focusing on target industry sectors that not only have a strong presence now, but will continue into the projected future, as well as providing integrated services to efficiently use resources, improving connections between industry and training, and growing the budding awareness among businesses about the public workforce system, will provide a path to ensuring that the region's workforce meets the needs of an every-evolving economy.

REGIONAL DEMAND FOR WORKERS

2021 REGIONAL JOBS: 1,358,240

Grew 16% since 2011

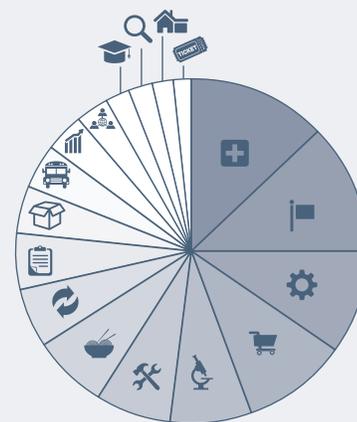


10 MOST COMMON OCCUPATIONS: 2021 EMPLOYMENT

Occupation	Number of employed	Median Annual Earnings
Fast Food and Counter Workers	33,138	\$30,118
Retail Salespersons	32,844	\$32,198
Stockers and Order Fillers	30,802	\$36,525
General and Operations Managers	27,155	\$96,262
Registered Nurses	24,491	\$103,314
Office Clerks, General	23,129	\$38,730
Home Health and Personal Care Aides	23,001	\$30,846
Cashiers	22,072	\$31,429
Customer Service Representatives	18,918	\$40,040
Laborers and Freight, Stock, and Material Movers, Hand	17,821	\$37,461
Heavy and Tractor-Trailer Truck Drivers	16,509	\$53,435

EMPLOYMENT BY INDUSTRY

	2021 Jobs	2021
Health Care and Social Assistance	174,057	12.8%
Government	160,096	11.8%
Manufacturing	132,315	9.7%
Retail Trade	128,968	9.5%
Professional, Scientific, and Technical Services	100,024	7.4%
Construction	93,788	6.9%
Accommodation and Food Services	91,374	6.7%
Administrative and Support and Waste Management and Remediation Services	74,844	5.5%
Other Services (except Public Administration)	71,091	5.2%
Wholesale Trade	56,960	4.2%
Transportation and Warehousing	55,869	4.1%
Finance and Insurance	48,362	3.6%
Management of Companies and Enterprises	39,414	2.9%
Educational Services	32,611	2.4%
Information	28,193	2.1%
Real Estate and Rental and Leasing	26,383	1.9%
Arts, Entertainment, and Recreation	19,048	1.4%



SOCIOECONOMIC CHALLENGES

Reducing poverty is a moral and economic imperative that is essential to the health and livability of the region. A person born into poverty is much more likely to earn less as an adult, more likely to have involvement with the justice system, experience poor health, and require more public assistance. Services provided by the workforce development system can help to remove systematic barriers to employment and are an effective strategy in the fight to reduce poverty. During the COVID-19 pandemic, resources available to combat poverty and engage people with the labor market, including federal resources that directly support non-education-based anti-poverty and workforce efforts, increased. However, many area residents are still struggling.

Ensuring that the area workforce is prepared for and has access to jobs that pay wages sufficient to meet their basic needs remains one of the most overwhelming challenges for the Portland-Vancouver region. According to the most recent Census data, more than 261,500 individuals (10%) live in poverty. More than one-fifth of households in Multnomah and Washington counties do not meet the Self-Sufficiency Standard, a measure of how much income a family of a certain composition in a given place must earn to meet their basic needs without public or private subsidies. An estimated 53,000 people remain unemployed and thousands more work full-time, but do not make ends meet because of low wages, insufficient benefits, and few prospects for career advancement. Others face steep barriers to employment because of low literacy, criminal history, or lack of educational credentials.

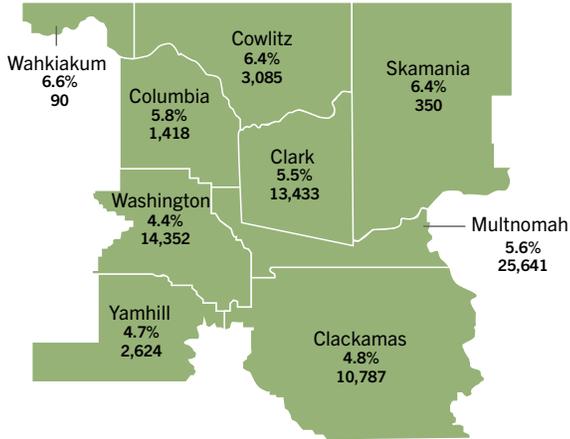
Rent continues to soar across the region. Property values, while still high compared to other areas of the country, have dropped as interest rates are increasing. This is bad news for renters and homeowners. Far too many residents are being forced to move further away from job centers and, in extreme cases, find themselves without housing. Renter-occupied households are significantly less likely to meet the Self-Sufficiency Standard compared to homeowners. From the most recent point-in-time homeless counts, an estimated 6,000 people sleep on the streets or in shelters across the region. More than 500 customers engaged in the regional workforce system indicated that they were unhoused. Ensuring that residents facing housing insecurity have access to all the services available to them will require a multifaceted approach from housing, workforce, and human-service providers.

The Portland-Vancouver region is home to numerous proven programs and promising practices that engage low-income job seekers. These programs include the integration of basic education and occupational skill training, career pathways, vocational focused case management, and strong partnerships with education, community-based, and social service organizations.

SOCIO-ECONOMIC CHALLENGES

UNEMPLOYMENT RATE

Total Unemployed 71,790



WORKING POOR

18,226
full time workers live below the poverty line.

POVERTY STATUS

	2015		2020
Poverty (Individuals)	13.8%	↓	10.3%
Public Assistance (Household)	3.8%	↓	3.7%
Food Stamps/SNAP (Households)	16.7%	↓	12.1%
	2011		2021
Subsidized Housing (Individuals)	5.2%	↓	2.2%

QUALITY JOBS

In 2021, the CWWC embarked on a process to define what a quality job means for the region. The Quality Jobs Framework was developed in partnership with a cross-section of businesses, workers, organized labor, service providers, and government agencies that forms the foundation from which to create and support quality jobs throughout the region. The CWWC believes in the value of work and the shared benefits afforded to workers, businesses, and the region's communities through good, high-quality jobs. CWWC created the Quality Jobs Initiative to address long-standing inequities, including lack of access to good jobs and careers that allow people to support themselves and their families, and which perpetuate economic disparities. Through this work, CWWC seeks to increase the number of quality jobs and improve the regional economy for all. CWWC believes that quality jobs are not an issue for social services alone, but also a business imperative. Good, high-quality jobs – ones with competitive wages and benefits, predictable hours, necessary training, and opportunities for advancement – are good for business.

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POPULATION

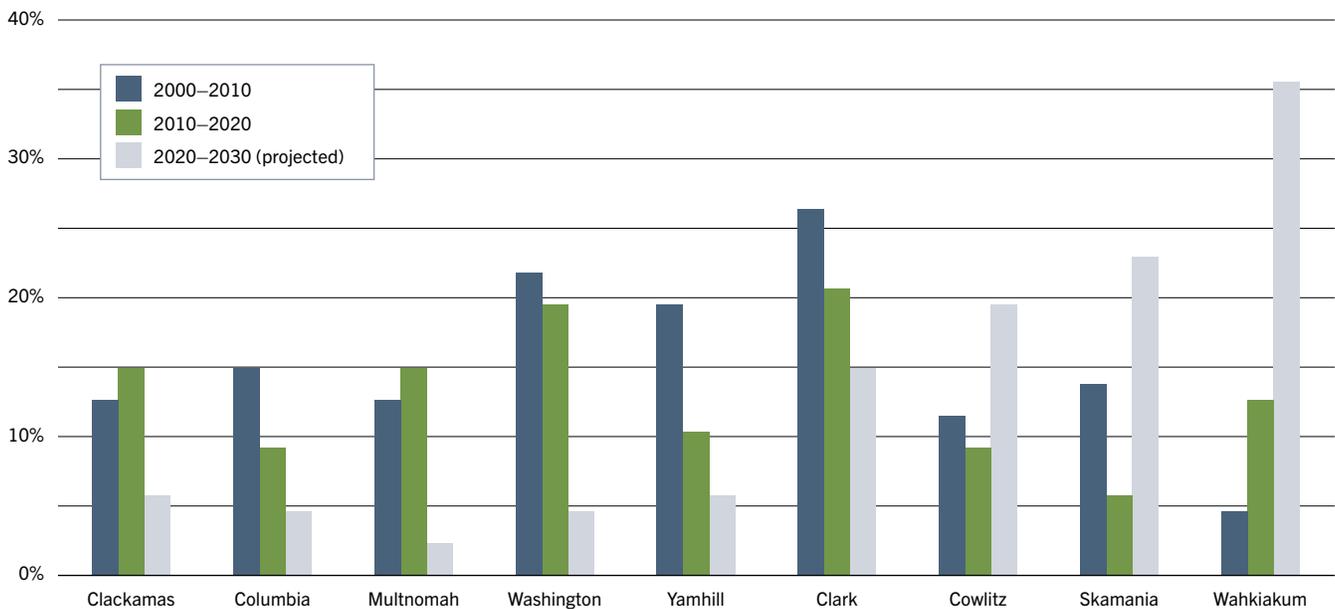
1.1 | DETAILED POPULATION GROWTH: HISTORIC AND PROJECTED

	POPULATION				PROJECTION	
	2000	2010	2020	2021	2030	2032
United States	281,421,906	308,745,538	331,449,281	331,893,745	346,456,904	349,140,235
Portland-Vancouver Metro Area	2,026,593	2,332,397	2,668,107	2,653,124	2,816,788	2,847,950
Clackamas	338,391	375,992	426,515	425,316	446,810	450,444
Columbia	43,698	49,351	53,280	53,014	55,213	55,349
Multnomah	662,288	735,334	829,560	820,672	842,697	846,494
Washington	445,342	529,710	620,080	605,036	642,176	648,753
Yamhill	84,992	99,193	108,605	108,261	113,835	114,586
Clark	345,238	425,363	503,311	513,100	567,245	580,159
Cowlitz	92,948	102,410	110,730	111,500	129,085	132,078
Skamania	9,872	11,066	11,604	11,750	13,939	14,152
Wahkiakum	3,824	3,978	4,422	4,475	5,788	5,935

Source: US Census, Oregon Population Research Center, Washington Office of Financial Management

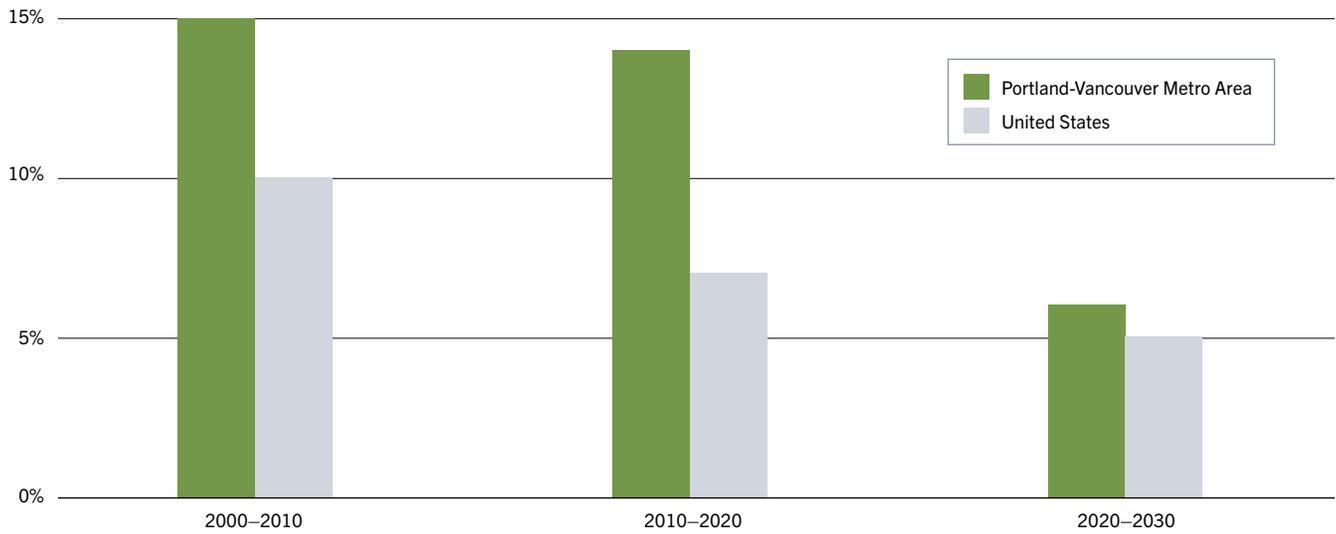
Note: WA population estimates are available for 2022.

1.2 | POPULATION GROWTH: HISTORIC AND PROJECTED



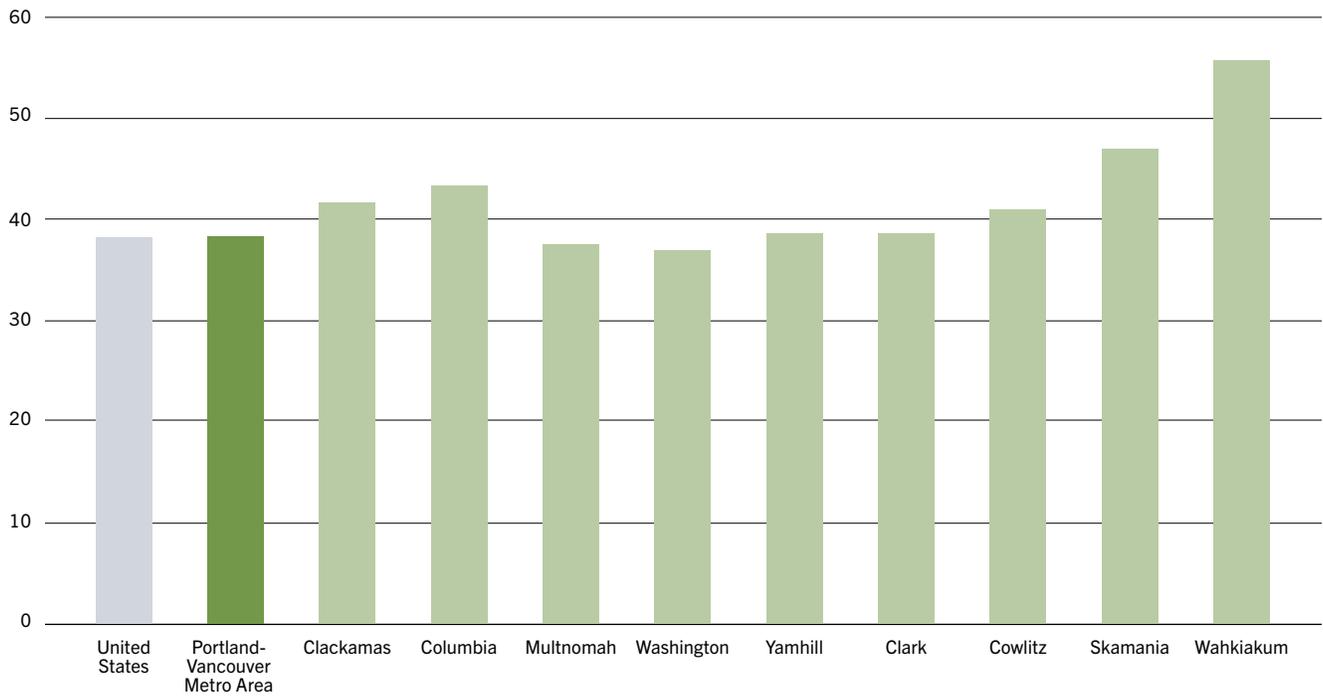
Source: US Census, Oregon Population Research Center, Washington Office of Financial Management

1.3 | POPULATION GROWTH: HISTORIC AND PROJECTED



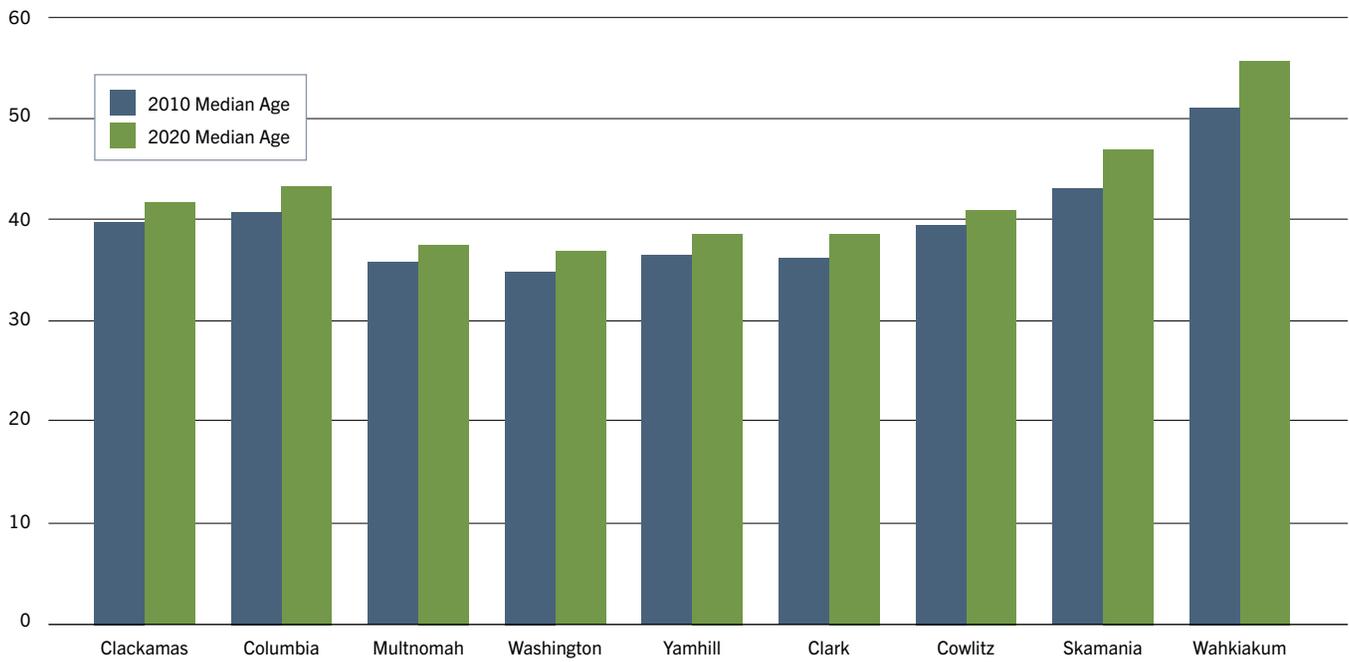
Source: US Census, Oregon Population Research Center, Washington Office of Financial Management

1.4 | MEDIAN AGE: 2020



Source: U.S. Census, American Community Survey, Table B01002

1.5 | MEDIAN AGE OVER TIME



Source: U.S. Census, American Community Survey, Table B01002



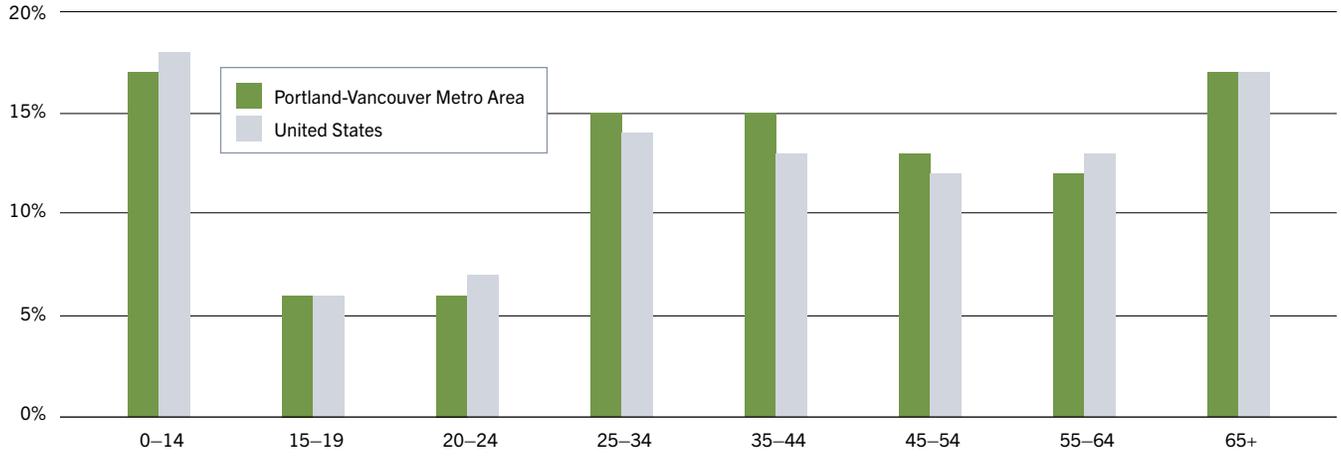
1.6 | COUNTY POPULATION BY AGE: 2021

POPULATION DISTRIBUTION (#)										
Age Range	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	PVMA
0–14	74,501	8,743	123,184	109,073	18,815	96,880	20,616	1,872	587	454,271
15–19	24,724	2,922	40,078	35,679	7,321	33,962	7,106	635	287	152,715
20–24	22,210	2,612	47,186	35,398	7,204	30,768	6,101	511	180	152,170
25–34	51,300	6,274	150,779	96,245	13,830	62,658	12,151	1,170	318	394,725
35–44	58,392	6,828	137,993	92,429	14,192	66,966	12,472	1,445	373	391,090
45–54	54,804	6,883	110,417	79,454	13,041	65,609	13,210	1,566	431	345,415
55–64	55,661	7,747	90,779	68,376	13,437	66,895	15,507	2,111	720	321,231
65+	83,724	11,004	120,255	88,382	20,421	89,362	24,338	2,441	1,580	441,507
Total	425,316	53,014	820,672	605,036	108,261	513,100	111,500	11,750	4,475	2,653,124

POPULATION DISTRIBUTION (%)										
Age Range	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	PVMA
0–14	18%	16%	15%	18%	17%	19%	18%	16%	13%	17%
15–19	6%	6%	5%	6%	7%	13%	6%	5%	6%	6%
20–24	5%	5%	6%	6%	7%	6%	5%	4%	4%	6%
25–34	12%	12%	18%	16%	13%	12%	11%	10%	7%	15%
35–44	14%	13%	17%	15%	13%	13%	11%	12%	8%	15%
45–54	13%	13%	13%	13%	12%	13%	12%	13%	10%	13%
55–64	13%	15%	11%	11%	12%	13%	14%	18%	16%	12%
65+	20%	21%	15%	15%	19%	17%	22%	21%	35%	17%
Total	100%									

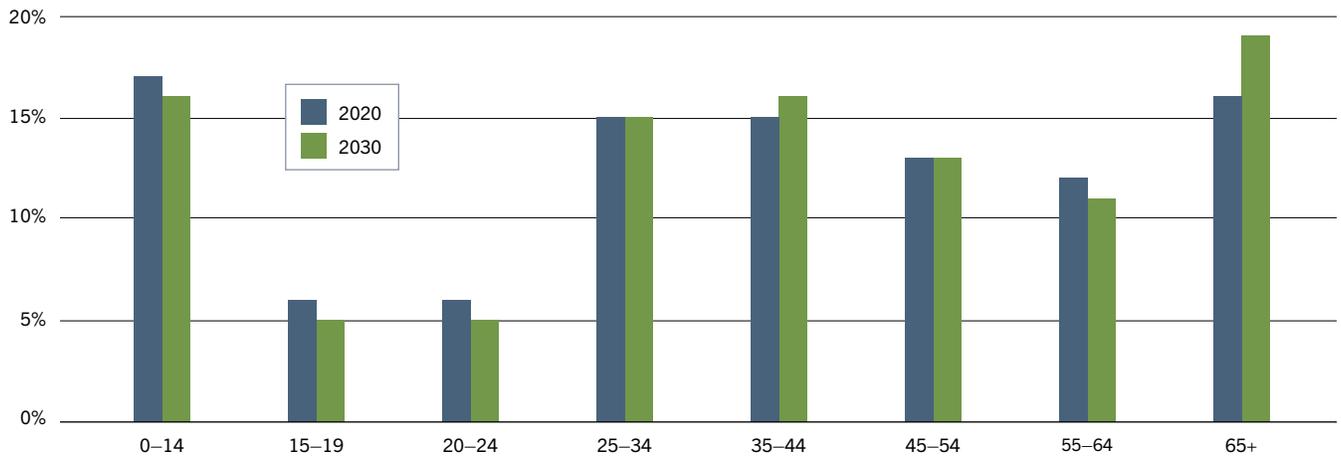
Source: Oregon Population Research Center, Washington Office of Financial Management

1.7 | DISTRIBUTION OF POPULATION BY AGE: 2021



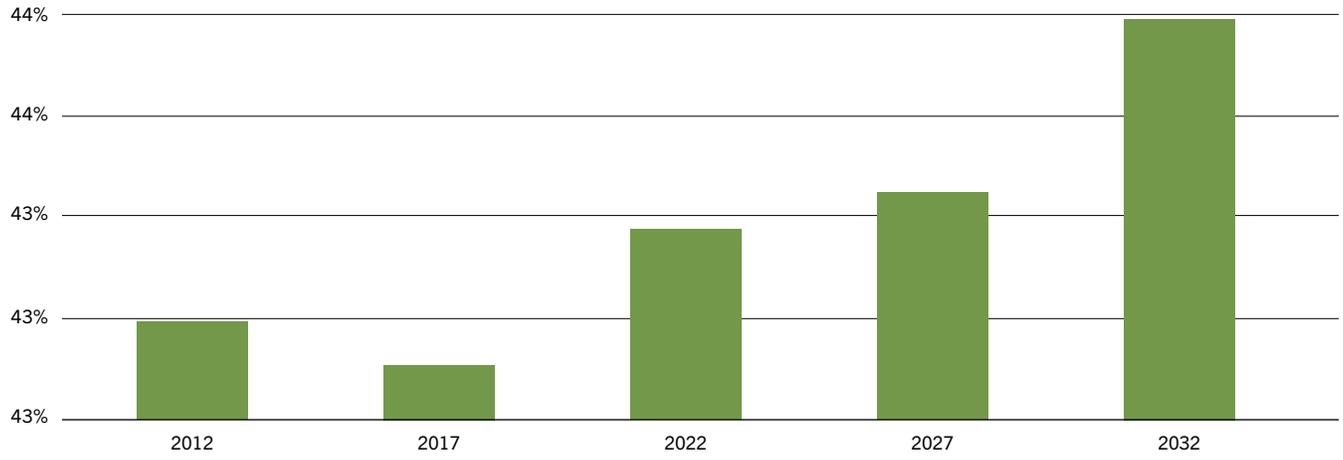
Source: Oregon Population Research Center, Washington Office of Financial Management, Lightcast

1.8 | POPULATION PROJECTIONS BY AGE: PORTLAND-VANCOUVER METRO AREA



Source: Lightcast

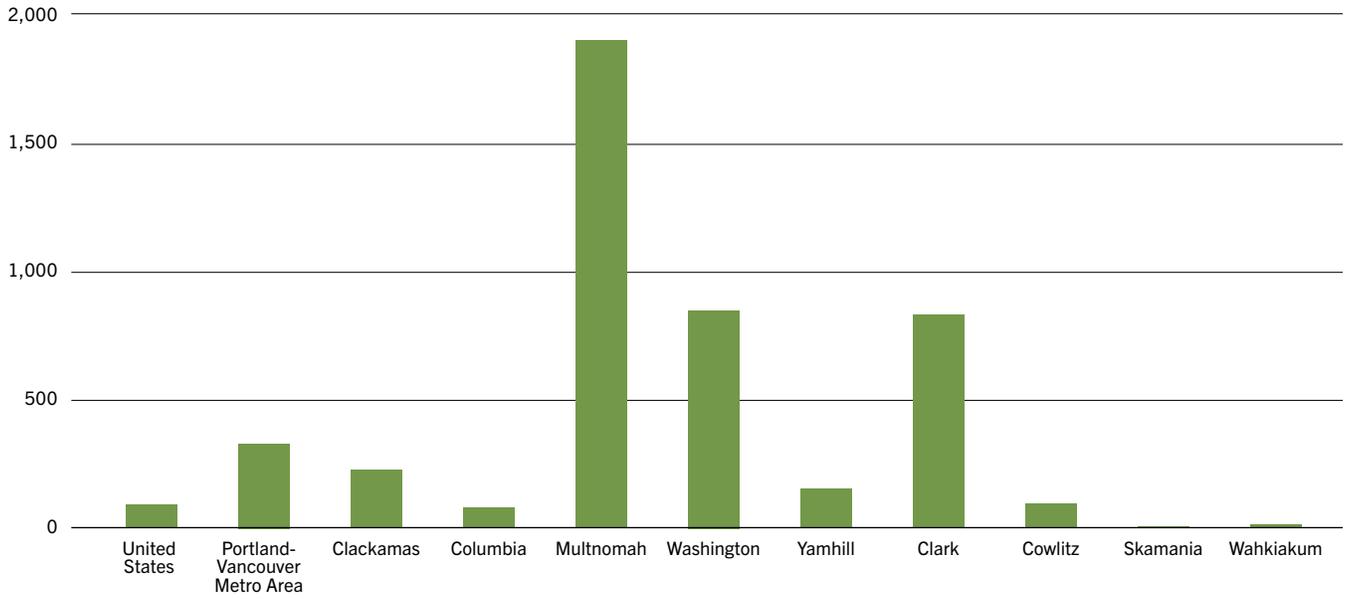
**1.9 | PRIME WORKING-AGE POPULATION (AGES 25-54) SHARE OF POPULATION:
CURRENT AND PROJECTED PORTLAND-VANCOUVER METRO AREA**



Source: Lightcast

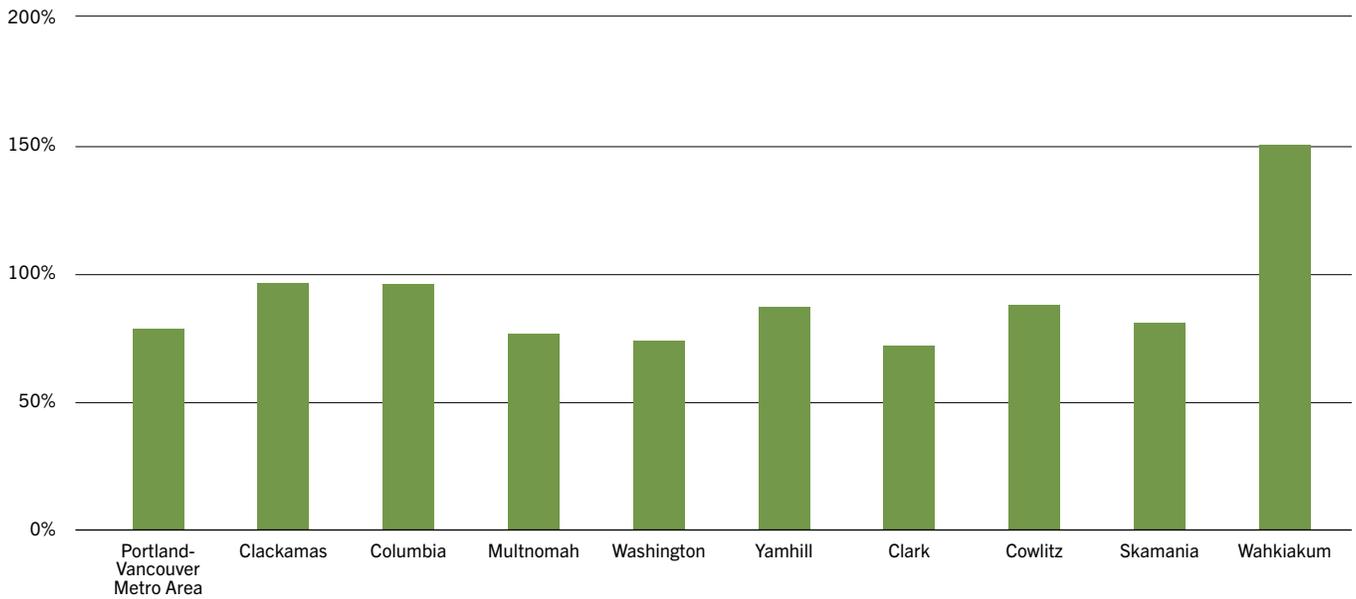


1.10 | POPULATION PER SQUARE MILE: 2022



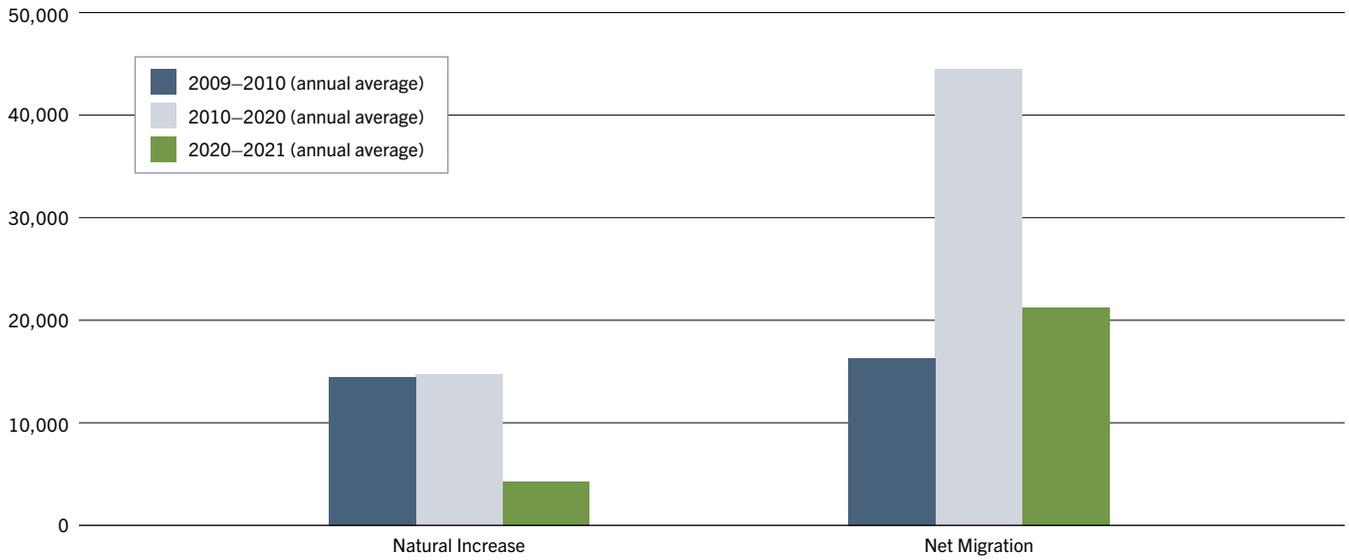
Source: Washington Office of Financial Management, US Census

1.11 | NET MIGRATION AS A PERCENT OF POPULATION GROWTH: 2010–2020



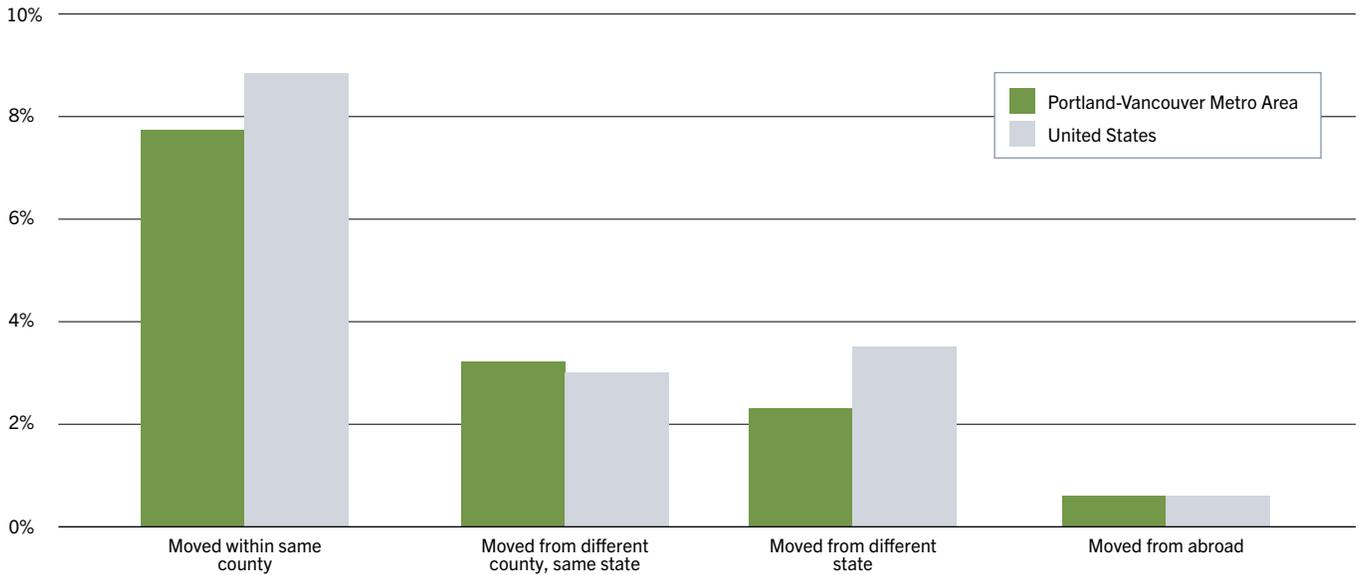
Source: Oregon Population Research Center, Washington Office of Employment Security, Lightcast

1.12 | COMPONENTS OF POPULATION GROWTH: PORTLAND-VANCOUVER METRO AREA



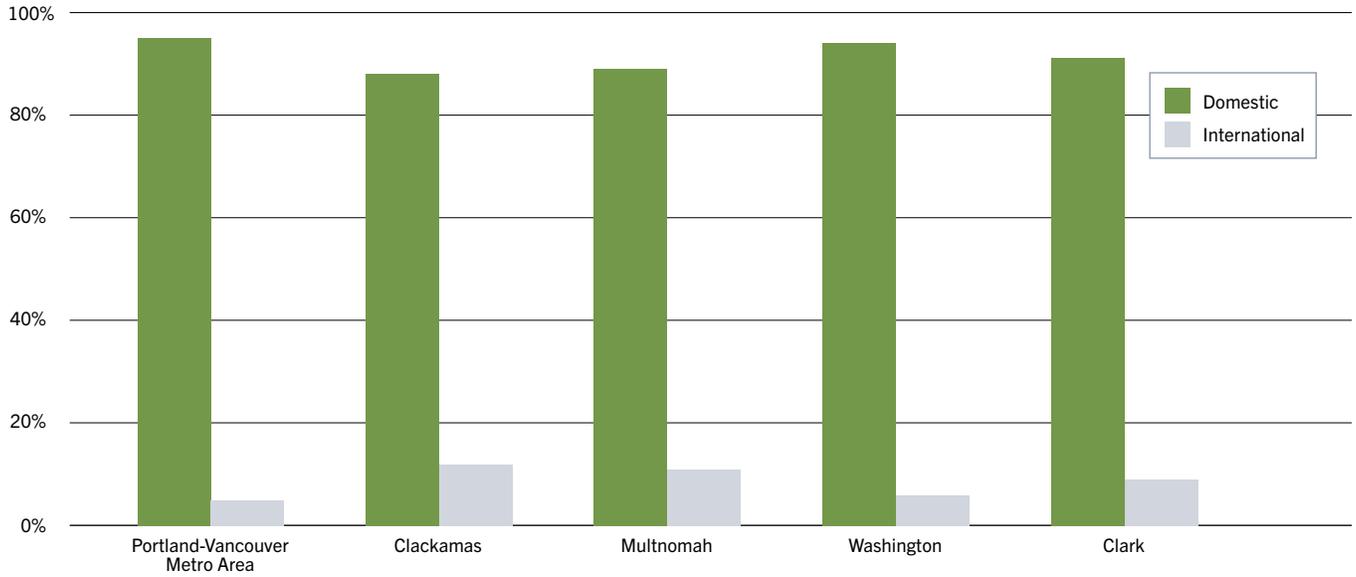
Source: Oregon Population Research Center, Washington Office of Employment Security

1.13 | GEOGRAPHIC MOBILITY IN THE PAST YEAR, SHARE OF TOTAL POPULATION: 2016–2020



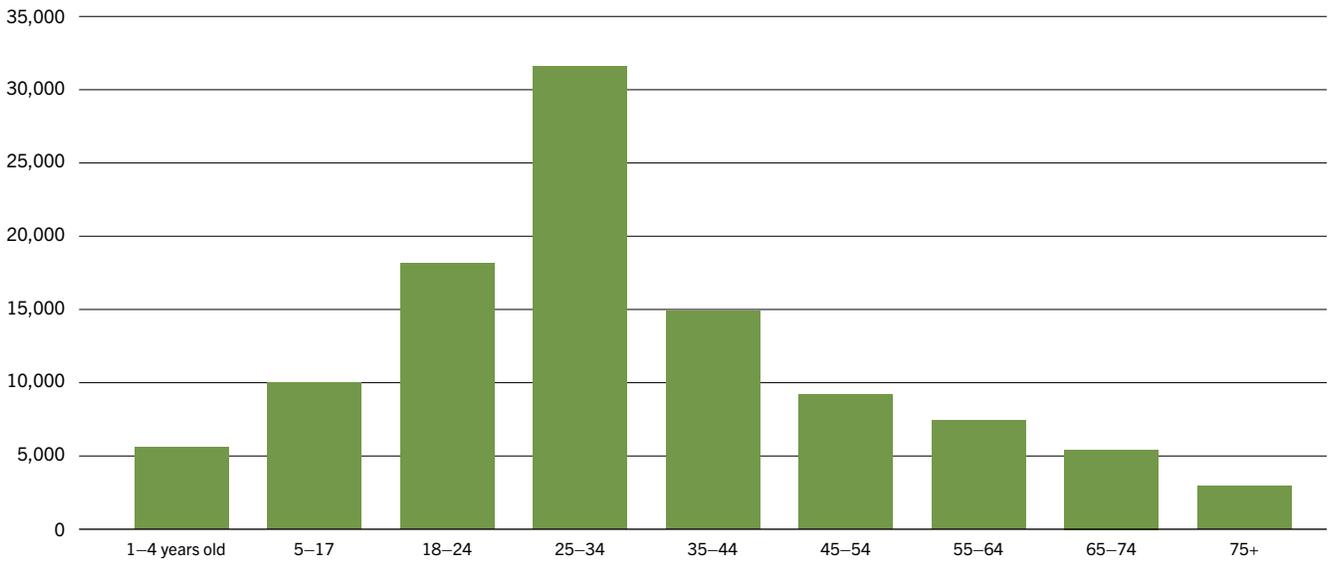
Source: US Census, American Community Survey, 5-year population estimate, Table S0701

1.14 | NET MIGRATION BY COMPONENT: 2016–2020



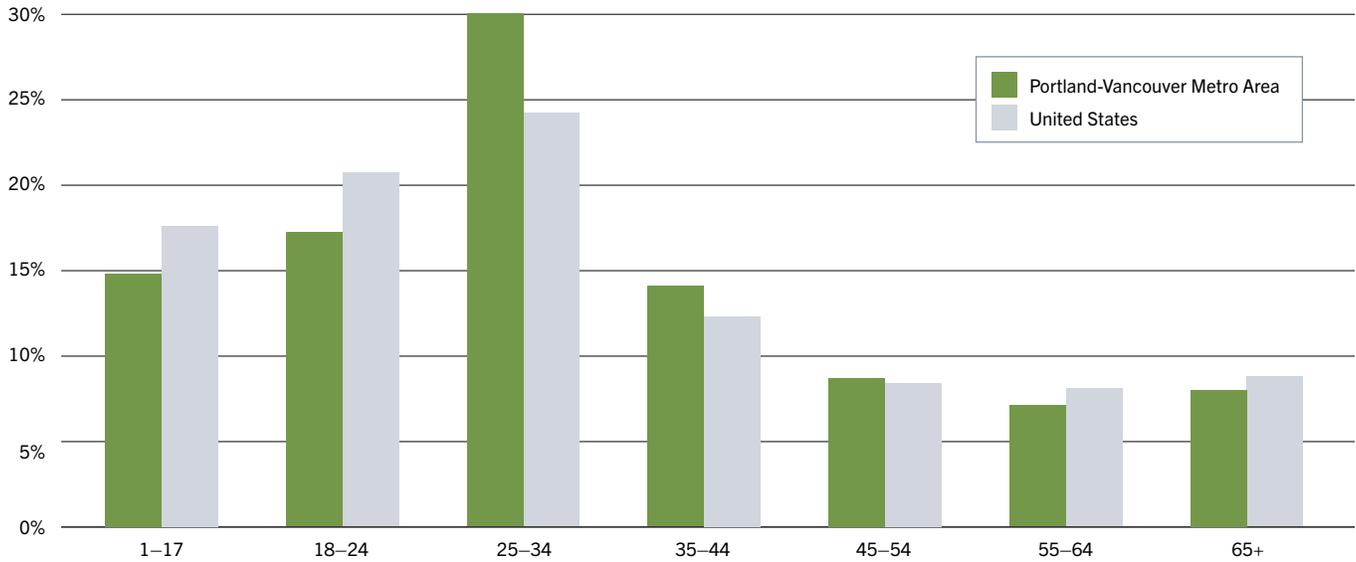
Source: US Census, American Community Survey, 5-year population estimate, Table S0701

**1.15 | IN-MIGRATION BY AGE, PORTLAND-VANCOUVER METRO AREA: 2016–2020
MOVING FROM DIFFERENT STATE OR ABROAD IN PAST YEAR**



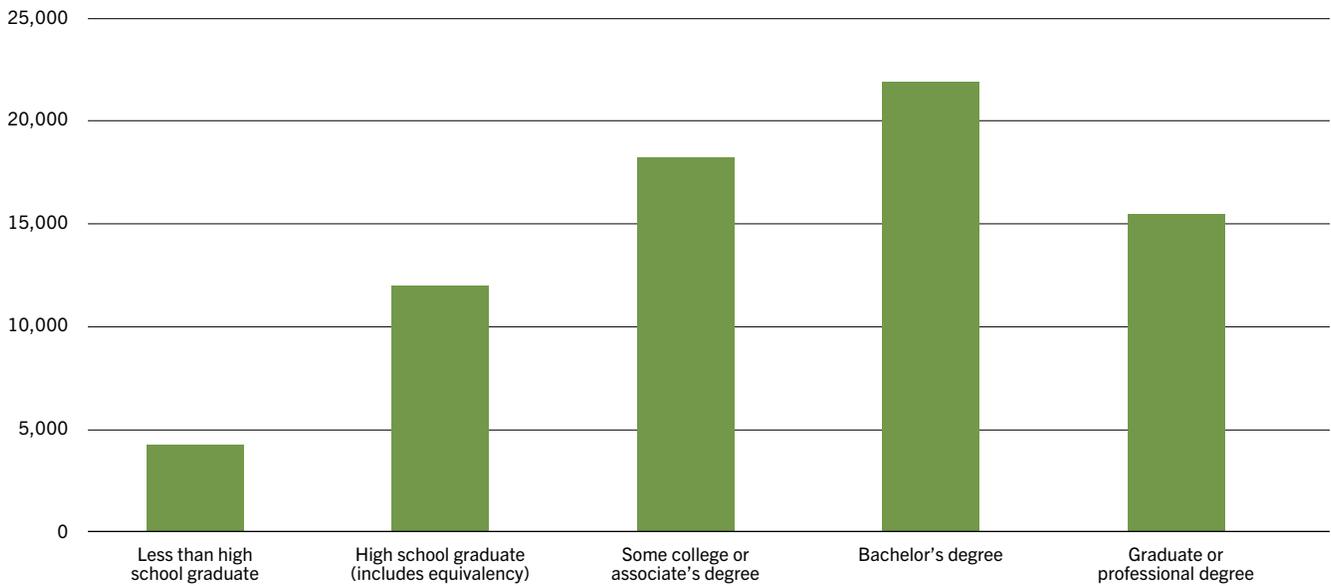
Source: US Census, American Community Survey, 5-year population estimate, Table S0701

**1.16 | IN-MIGRATION BY AGE, PORTLAND-VANCOUVER METRO AREA: 2016–2020
MOVING FROM DIFFERENT STATE OR ABROAD IN PAST YEAR**



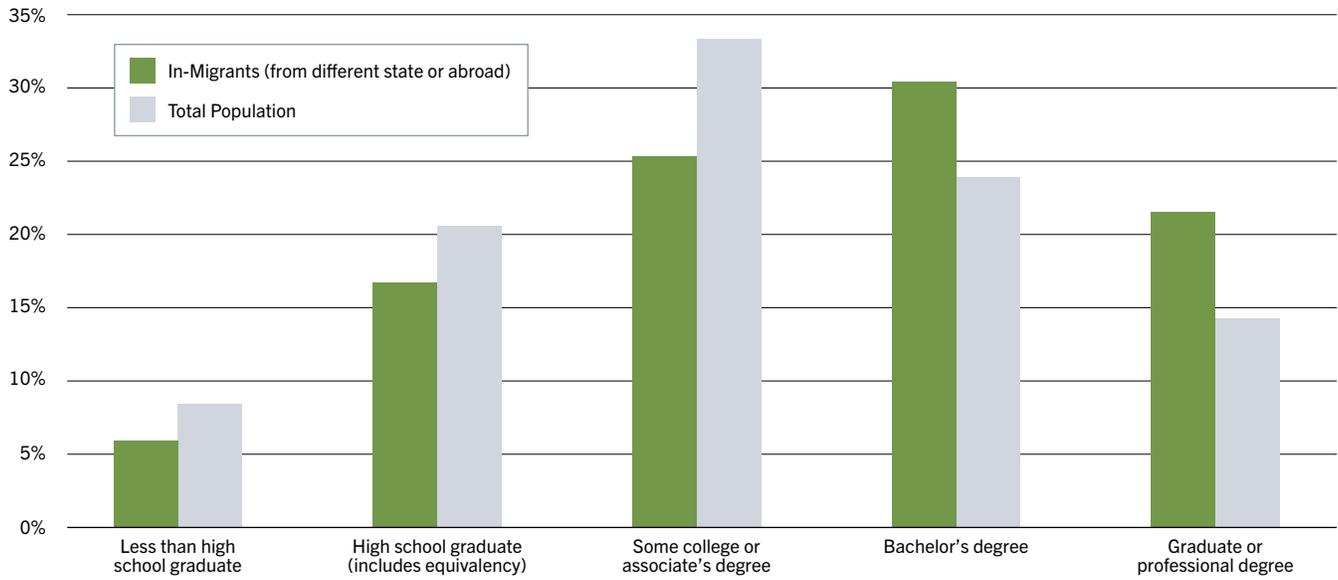
Source: US Census, American Community Survey, 5-year population estimate, Table S0701

**1.17 | IN-MIGRATION BY EDUCATIONAL ATTAINMENT (25+ YEARS)
MOVING FROM DIFFERENT STATE OR ABROAD IN PAST YEAR
PORTLAND-VANCOUVER METRO AREA: 2016–2020**



Source: US Census, American Community Survey, Table S0701

**1.18 | IN-MIGRATION BY EDUCATIONAL ATTAINMENT RECENT IN-MIGRANTS
COMPARED TO TOTAL POPULATION PORTLAND-VANCOUVER METRO AREA: 2016–2020**



Source: US Census, American Community Survey, Table S0701



RACE & ETHNICITY

2.1 | POPULATION BY RACE: 2020

PERCENT						
	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
White	85%	75%	74%	88%	82%	88%
Black of African American	1%	6%	3%	1%	2%	1%
American Indian and Alaskan Native	1%	1%	0%	1%	1%	1%
Asian	5%	9%	14%	2%	5%	2%
Native Hawaiian and Other Pacific Islander	0%	1%	1%	0%	1%	1%
Some Other Race	1%	1%	1%	1%	1%	0%
Two or More Races	7%	8%	8%	7%	7%	7%
Total	100%	100%	100%	100%	100%	100%

NUMBER						
	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
White	325,361	535,623	365,232	79,352	366,727	88,067
Black of African American	4,336	43,793	12,763	849	10,850	746
American Indian and Alaskan Native	2,249	5,455	2,416	1,346	3,051	1,409
Asian	20,459	61,280	68,430	1,523	23,910	1,721
Native Hawaiian and Other Pacific Islander	1,056	5,251	3,240	189	5,127	643
Some Other Race	2,158	4,885	3,096	615	2,536	485
Two or More Races	25,440	55,388	37,553	6,055	32,320	6,857
Total	381,059	711,675	492,730	89,929	444,521	99,928

Source: US Census, Decennial Census

Note: Data is not available for Columbia, Wahkiakum, and Skamania

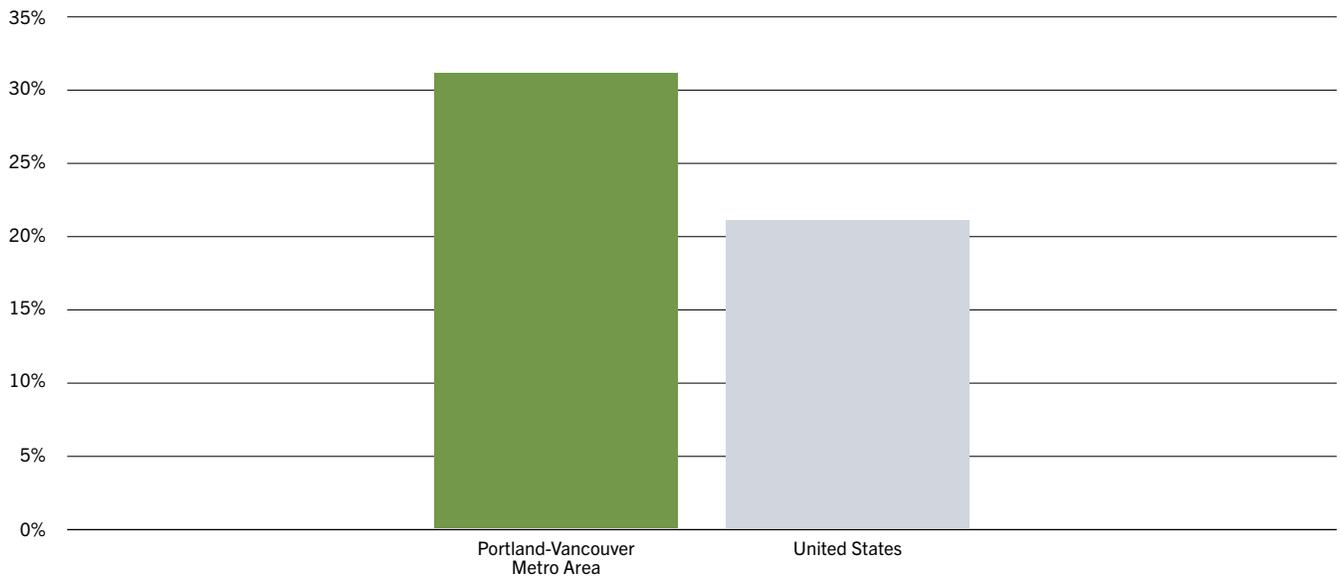
2.2 | HISPANIC POPULATION: 2020

MEDIAN HOUSEHOLD INCOME GROWTH								
	United States	PVMA	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
2010	50,736,244	248,329	29,272	80,365	83,697	14,627	32,373	7,995
2020	61,312,879	324,446	39,340	99,563	104,401	17,572	52,951	10,619
Growth (#)	10,576,635	76,117	10,068	19,198	20,704	2,945	20,578	2,624
Growth (%)	21%	31%	34%	24%	25%	20%	64%	33%

Source: US Census, Decennial Census

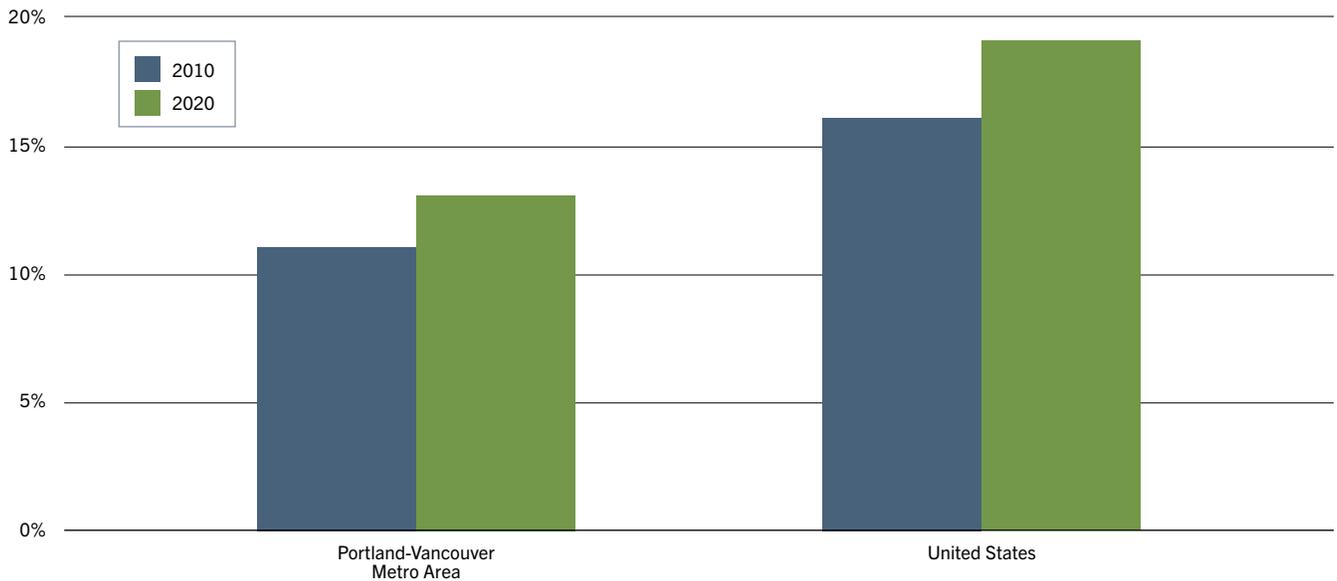
Note: Data is not available for Columbia, Wahkiakum, and Skamania

2.3 | GROWTH IN HISPANIC/LATINO POPULATION: 2010–2020



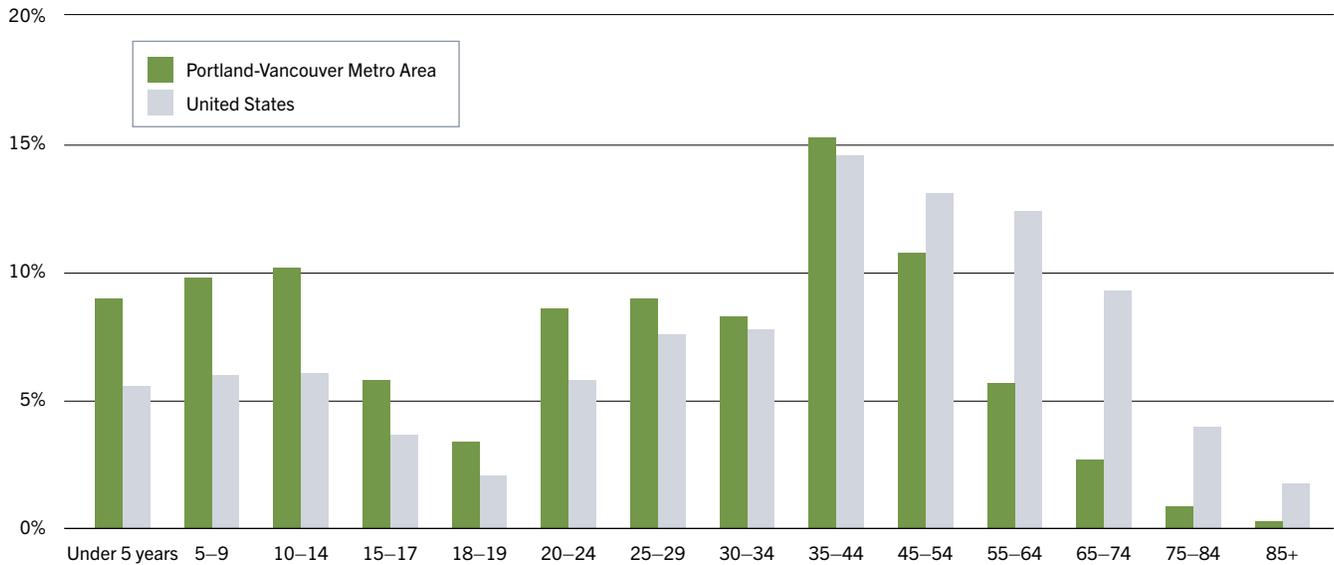
Source: Lightcast

2.4 | HISPANIC/LATINO POPULATION AS A % OF TOTAL: 2010 AND 2020



Source: Lightcast

2.5 | SHARE OF POPULATION BY AGE AND ETHNICITY, PORTLAND-VANCOUVER METRO AREA: 2016–2020



Source: Lightcast

2.6 | RACIAL COMPOSITION OVER TIME

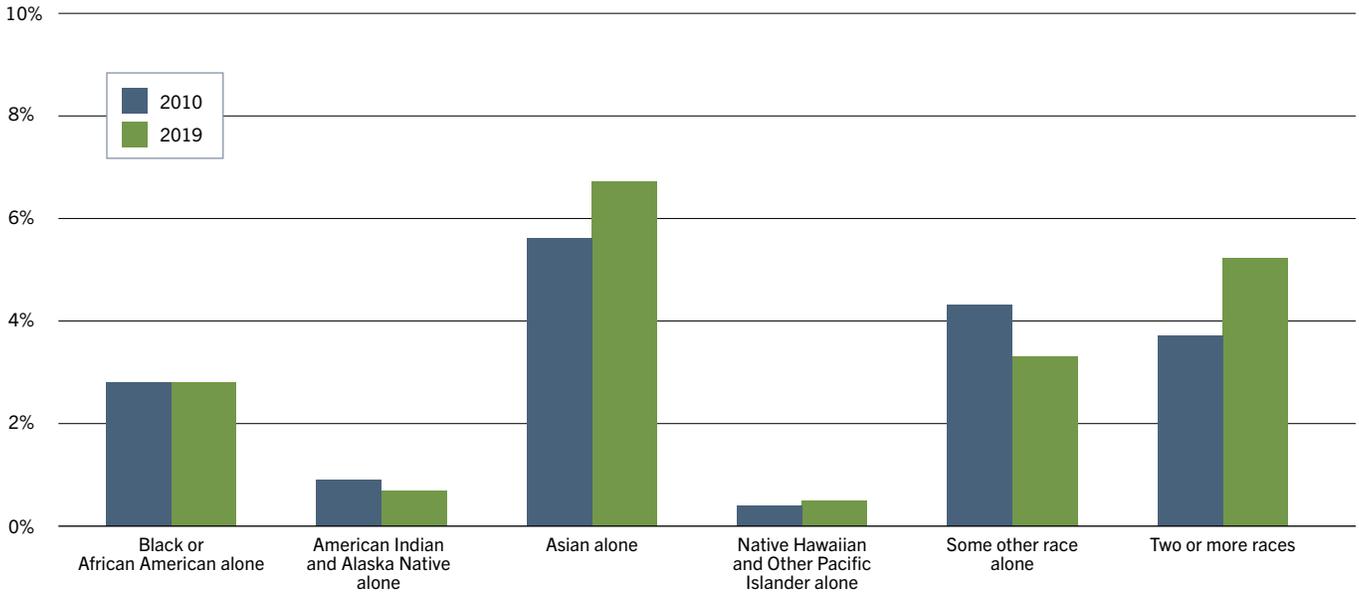
POPULATION BY RACE: 2010								
	United States	PVMA	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
White	229,397,472	2,062,276	337,830	575,104	406,871	84,549	367,868	92,521
Black or African American	38,874,625	68,811	2,755	44,592	9,171	611	8,911	0
American Indian and Alaskan Native	2,553,566	20,050	2,352	6,366	4,778	1,440	3,095	1,502
Asian	14,728,302	158,861	12,898	50,481	45,051	1,855	16,951	1,882
Native Hawaiian and Other Pacific Islander	507,916	12,952	1,008	3,751	2,069	532	2,444	51
Some Other Race	14,889,440	78,996	6,677	31,288	41,393	7,807	11,391	2,473
Two or More Races	8,398,368	125,286	13,371	26,320	22,411	2,597	16,384	4,072
Total	309,349,689	2,527,232	376,891	737,902	531,744	99,391	427,044	102,501

POPULATION BY RACE: 2019								
	United States	PVMA	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
White	236,475,401	2,099,652	361,016	628,153	449,521	92,115	410,386	98,387
Black or African American	41,989,671	72,158	4,870	42,675	12,143	951	10,764	660
American Indian and Alaskan Native	2,847,336	19,363	2,957	6,767	3,955	904	2,727	689
Asian	18,636,984	175,705	20,086	60,848	68,789	2,143	22,008	1,505
Native Hawaiian and Other Pacific Islander	628,683	13,725	213	5,544	2,893	231	4,374	272
Some Other Race	16,352,553	86,604	12,128	22,038	32,709	6,479	11,597	1,139
Two or More Races	11,308,895	136,607	16,917	46,830	31,582	4,277	26,385	7,941
Total	328,239,523	2,603,814	418,187	812,855	601,592	107,100	488,241	110,593

Source: US Census, American Community Survey, Table B02001

Notes: Data is not available for Columbia, Skamania, or Wahkiakum counties

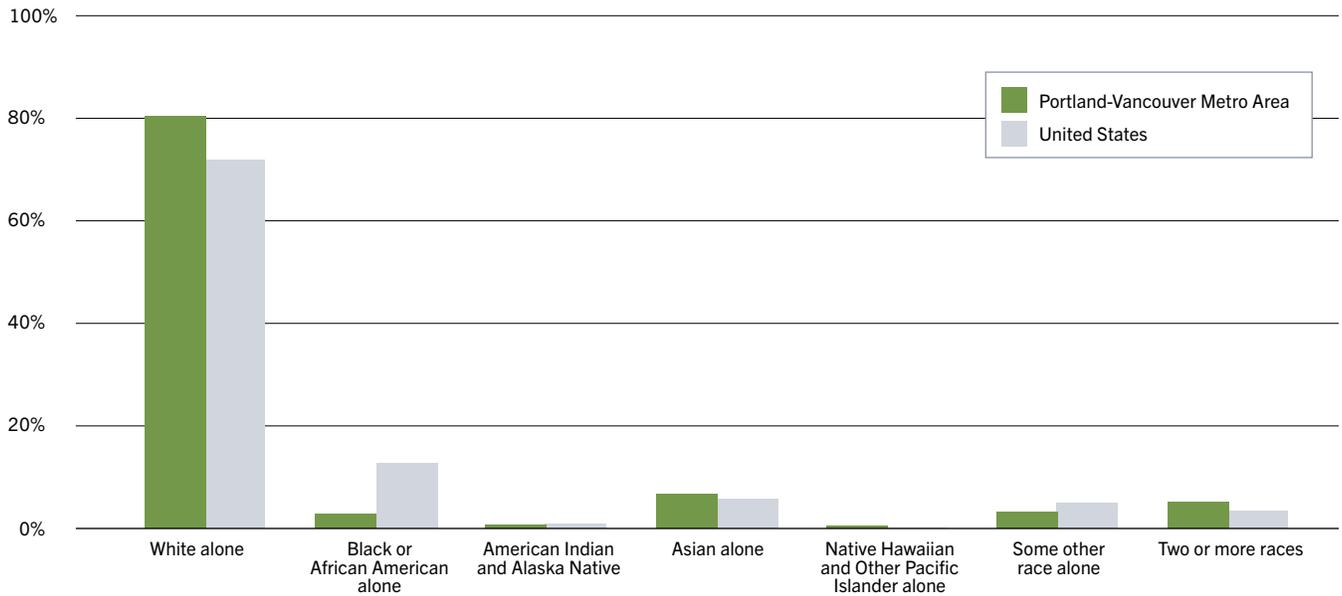
2.7 | SHARE OF POPULATION BY RACE PORTLAND-VANCOUVER METRO AREA: 2010 AND 2019



Source: US Census, American Community Survey, Table B02001

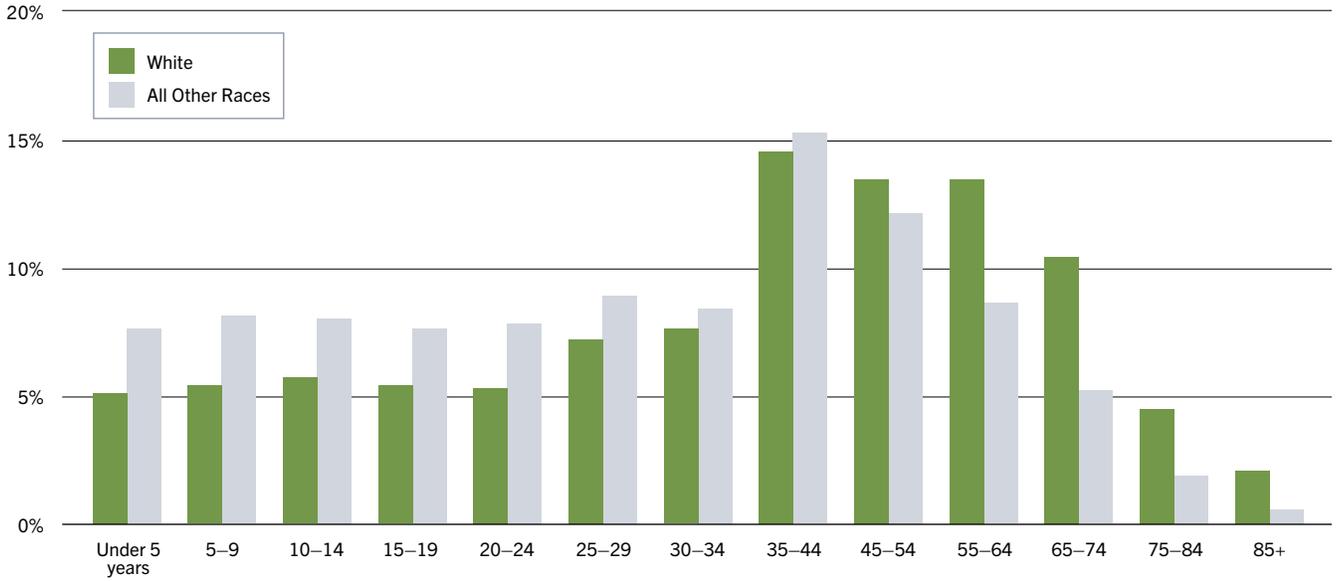
Notes: Data is not available for Columbia, Skamania, or Wahkiakum counties

2.8 | DISTRIBUTION OF POPULATION BY RACE: 2019



Source: US Census, American Community Survey, Table B02001

2.9 | SHARE OF POPULATION BY AGE AND RACE, PORTLAND-VANCOUVER METRO AREA

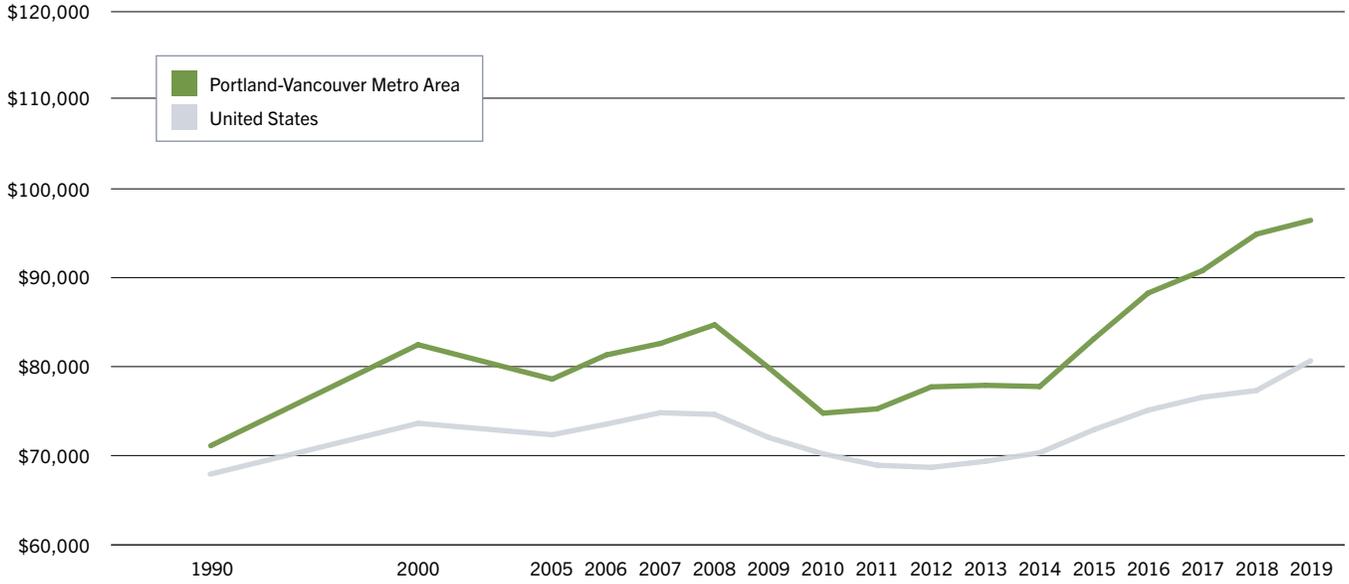


Source: US Census, American Community Survey, Table B01001A



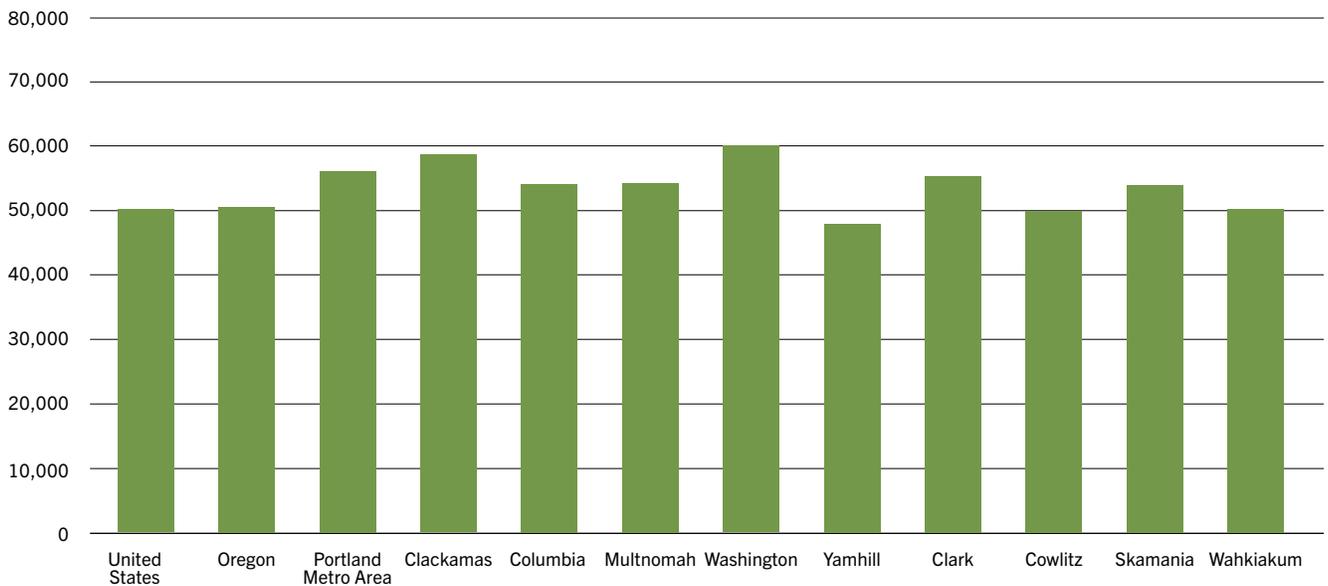
INCOME

3.1 | MEDIAN FAMILY INCOME: 1990–2021 (IN 2021 DOLLARS)



Source: US Census

3.2 | MEDIAN EARNINGS OF FULL-TIME, YEAR-ROUND WORKERS: 2020



Source: US Census

3.3 | MEDIAN INCOME (2020 DOLLARS)

MEDIAN HOUSEHOLD INCOME GROWTH											
	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
1990–2000	14.5%	17.8%	16.3%	11.3%	18.3%	15.5%	8.4%	3.7%	11.0%	15.0%	6.0%
2000–2010	-6.0%	-4.8%	-5.1%	-5.2%	-6.0%	-4.9%	-9.0%	-2.2%	-19.2%	-5.6%	-2.4%
2010–2020	12.7%	4.1%	21.3%	16.6%	8.0%	11.6%	8.0%	19.9%	13.8%	16.0%	5.5%

MEDIAN FAMILY INCOME GROWTH											
	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
1990–2000	15.1%	13.4%	15.8%	12.7%	18.6%	13.2%	-2.5%	9.4%	21.7%	14.9%	7.8%
2000–2010	-2.7%	-3.6%	-2.7%	-1.4%	-3.5%	-1.5%	-6.7%	9.0%	-21.6%	-2.2%	-0.6%
2010–2020	12.7%	11.1%	22.8%	11.6%	11.1%	13.0%	10.6%	8.1%	18.0%	15.8%	7.1%

MEDIAN HOUSEHOLD INCOME (2020 DOLLARS)											
	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
1990	\$68,354	\$58,430	\$53,323	\$70,404	\$56,045	\$62,970	\$55,180	\$56,986	\$53,404	\$61,527	\$59,517
2000	\$78,275	\$68,831	\$62,039	\$78,338	\$66,297	\$72,708	\$59,814	\$59,092	\$59,283	\$70,755	\$63,116
2010	\$73,596	\$65,516	\$58,892	\$74,269	\$62,295	\$69,151	\$54,451	\$57,807	\$47,918	\$66,793	\$61,617
2020	\$82,911	\$68,170	\$71,425	\$86,626	\$67,296	\$77,184	\$58,791	\$69,296	\$54,524	\$77,511	\$64,994

MEDIAN FAMILY INCOME (2020 DOLLARS)											
	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
1990	\$79,362	\$68,128	\$66,340	\$82,037	\$63,762	\$71,701	\$71,701	\$61,259	\$58,770	\$72,808	\$69,752
2000	\$91,367	\$77,224	\$76,829	\$92,431	\$75,653	\$81,184	\$69,936	\$67,011	\$71,547	\$83,669	\$75,218
2010	\$88,905	\$74,452	\$74,723	\$91,128	\$73,023	\$79,940	\$65,282	\$73,042	\$56,100	\$81,806	\$74,753
2020	\$100,172	\$82,750	\$91,749	\$101,700	\$101,700	\$90,318	\$72,234	\$78,972	\$66,214	\$94,727	\$80,069

Source: US Census

3.4 | PER CAPITA INCOME (2020 DOLLARS)

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
2000	\$55,048	\$39,678	\$49,027	\$50,494	\$36,761	\$44,589	\$35,664	\$34,242	\$34,002	\$48,170	\$46,099
2020	\$64,791	\$48,749	\$63,852	\$66,831	\$51,028	\$57,863	\$48,232	\$49,519	\$47,027	\$61,967	\$59,510
2000–2020 Change											
Number	\$9,743	\$9,071	\$14,825	\$16,337	\$14,267	\$13,274	\$12,568	\$15,277	\$13,025	\$13,797	\$13,411
Percent	17.7%	22.9%	30.2%	32.4%	38.8%	29.8%	35.2%	44.6%	38.3%	28.6%	29.1%

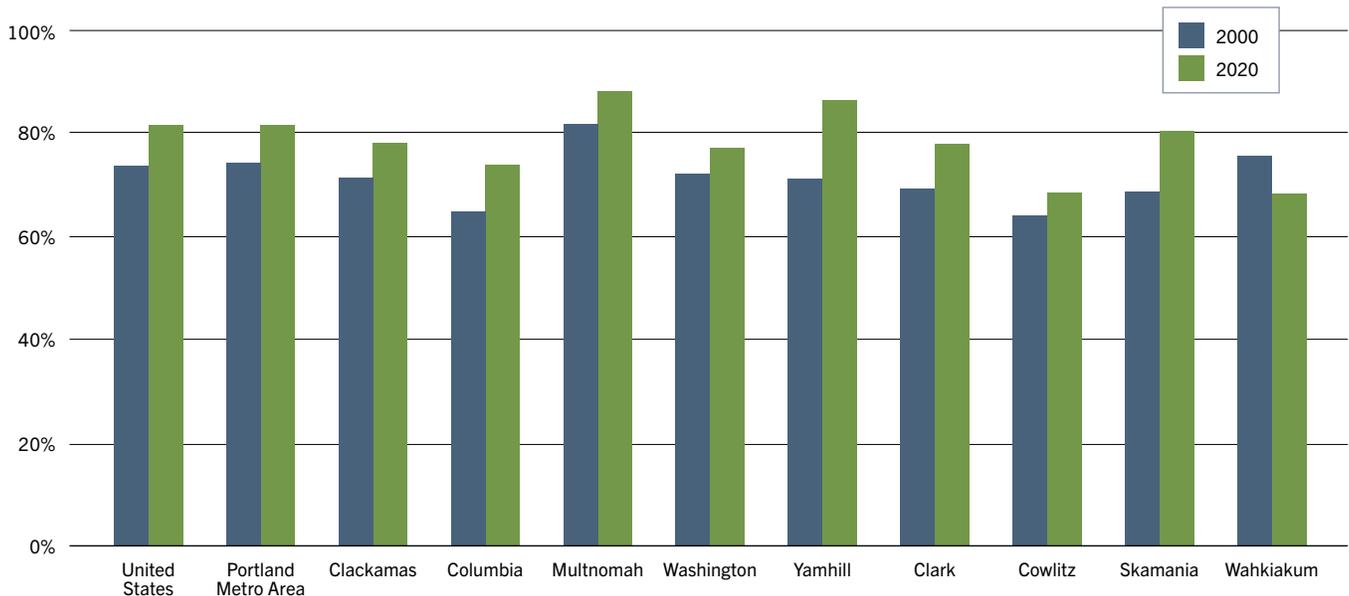
Source: Bureau of Labor Statistics

3.5 | MEDIAN EARNINGS OF FULL-TIME, YEAR-ROUND WORKERS BY SEX: 2020

	Total	Male	Female	Female Earnings as a % of Male
United States	\$50,459	\$54,601	\$44,344	81.2%
Portland-Vancouver Metro Area	\$56,471	\$62,298	\$50,558	81.2%
Clackamas	\$59,039	\$65,084	\$50,610	77.8%
Columbia	\$54,364	\$61,517	\$45,194	73.5%
Multnomah	\$54,537	\$58,460	\$51,313	87.8%
Washington	\$60,270	\$67,528	\$51,851	76.8%
Yamhill	\$48,277	\$51,658	\$44,417	86.0%
Clark	\$55,623	\$62,287	\$48,344	77.6%
Cowlitz	\$50,110	\$59,809	\$40,771	68.2%
Skamania	\$54,280	\$60,463	\$48,393	80.0%
Wahkiakum	\$46,534	\$53,686	\$36,433	67.9%

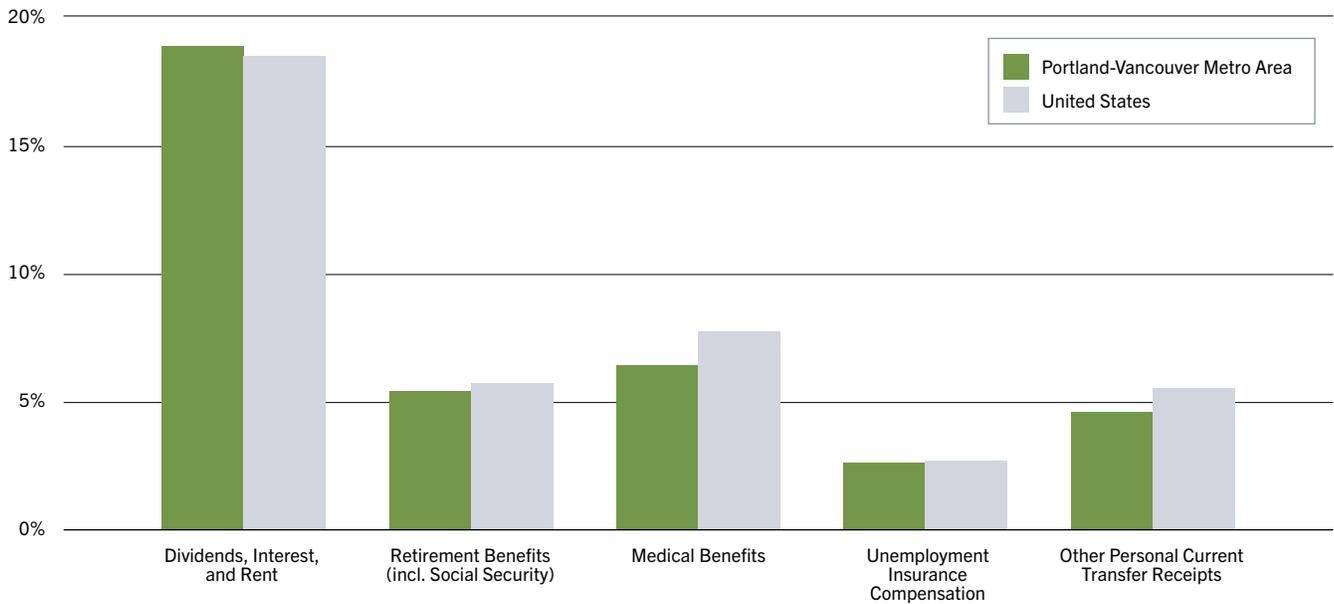
Source: US Census

3.6 | MEDIAN EARNINGS: FEMALE EARNINGS AS A PERCENT OF MALE: 2000 AND 2020



Source: US Census

3.7 | PERSONAL INCOME BY SOURCE: 2020 (WAGE AND SALARY INCOME NOT INCLUDED)



Source: U.S. Bureau of Economic Analysis



LABOR FORCE

4.1 | CIVILIAN LABOR FORCE: 2021

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
Labor Force	222,815	24,640	461,936	327,487	55,328	245,865	48,413	5,508	1,363	1,393,355	161,204,000
Employment	212,018	23,222	436,295	313,135	52,704	232,432	45,328	5,158	1,273	1,321,565	152,581,000
Unemployment	10,797	1,418	25,641	14,352	2,624	13,433	3,085	350	90	71,790	8,623,000
Unemployment Rate	4.8	5.8	5.6	4.4	4.7	5.5	6.4	6.4	6.6	5.4	5.3

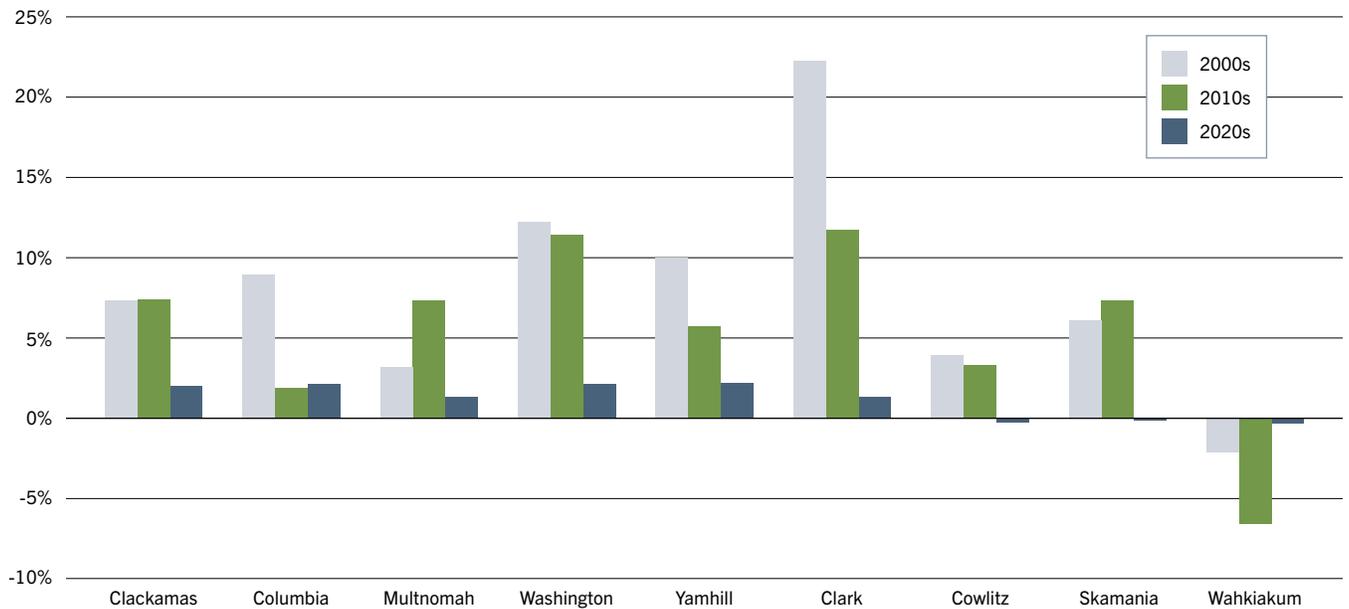
Source: Oregon Employment Department, Washington Office of Employment Security

4.2 | CIVILIAN LABOR FORCE: 2021

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
2001	156,300	12,111	502,196	254,796	34,777	135,925	43,154	2,232	1,022	1,142,513	147,692,365
2011	160,931	11,909	490,856	272,129	38,183	150,494	39,805	2,570	952	1,167,829	147,576,070
2021	189,424	13,531	545,930	323,911	44,480	193,005	44,289	2,410	1,270	1,358,250	163,553,353
10-Year Growth 2011–2021											
#	28,493	1,622	55,074	51,782	6,297	42,511	4,484	-160	318	190,421	15,977,283
%	17.7%	13.6%	11.2%	19.0%	16.5%	28.2%	11.3%	-6.2%	33.4%	16.3%	10.8%

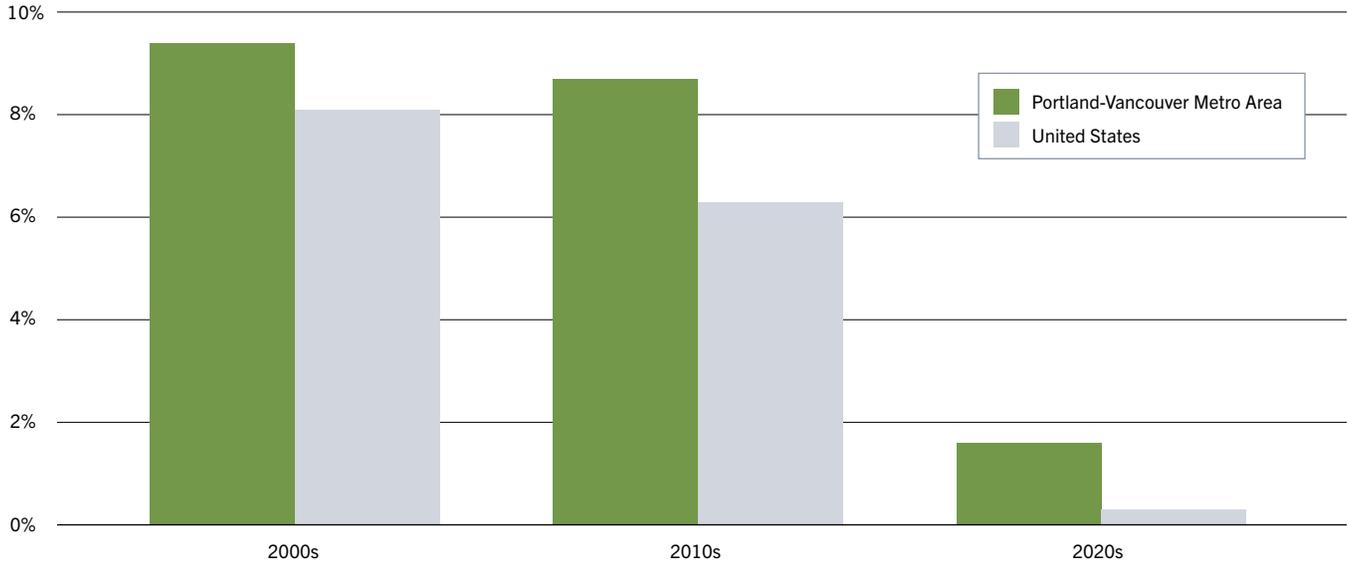
Source: Lightcast

4.3 | CIVILIAN LABOR FORCE: AVERAGE ANNUAL GROWTH RATES



Source: U.S. Bureau of Labor Statistics

4.4 | CIVILIAN LABOR FORCE: AVERAGE ANNUAL GROWTH RATES



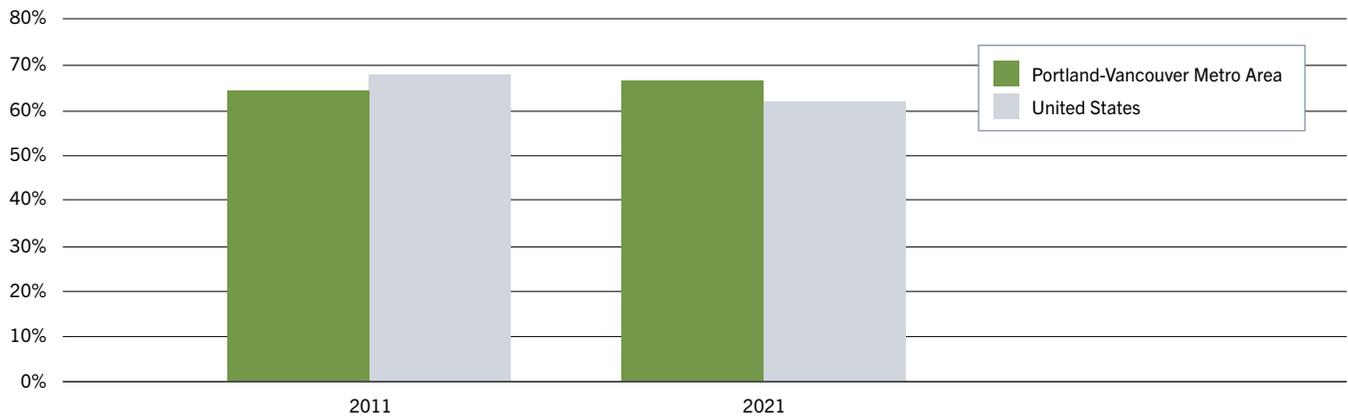
Source: U.S. Bureau of Labor Statistics

4.5 | LABOR FORCE PARTICIPATION RATE

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
2007–2011	63.8	61.7	69.5	70.5	64.8	66.3	58.5	58.7	49.9	67.7	64.1
2021	65	57.5	69.1	69.4	65.9	60.8	55.1	53.6	33.6	66.4	61.7

Source: U.S. Census, American Community Survey, Table S2301, 5-yr estimate, Lightcast

4.6 | LABOR FORCE PARTICIPATION RATE



Source: U.S. Census, American Community Survey, Table S2301, 5-yr estimate

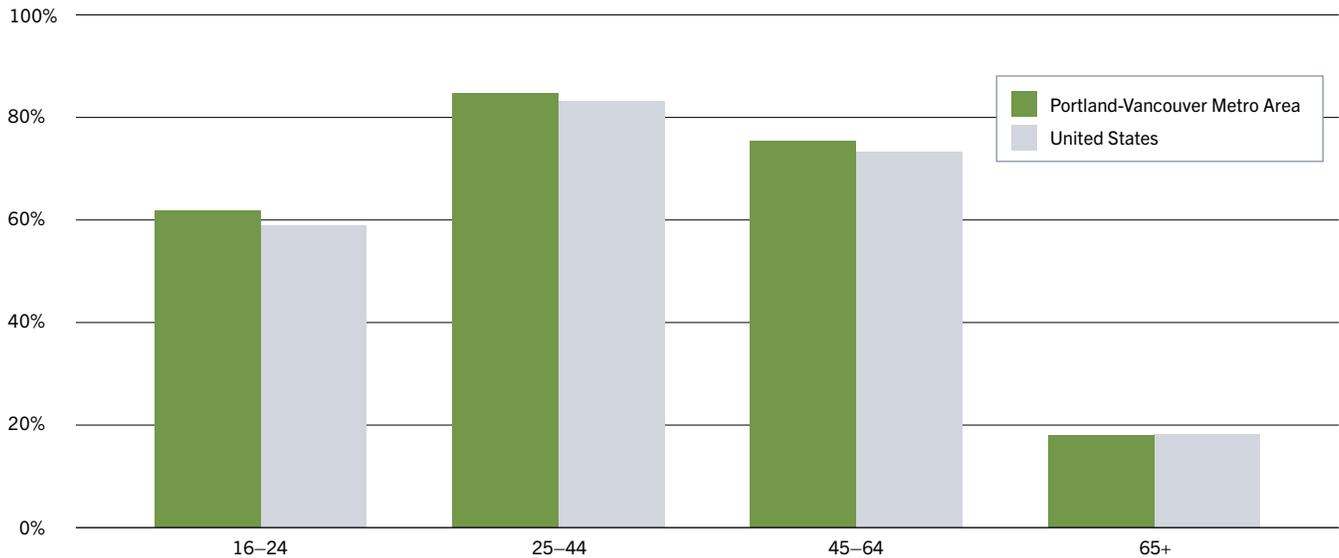
4.7 | LABOR FORCE PARTICIPATION RATE

LABOR FORCE PARTICIPATION RATE: 2007–2011											
AGE RANGE	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
16–24	62.1	57.8	61.9	62.3	62.2	61.6	61.5	56.8	50.7	61.9	59.0
25–44	83.5	80.5	85.0	84.4	81.0	82.7	80.0	75.4	75.8	83.8	82.7
45–64	76.2	71.1	75.0	78.3	75.8	73.9	65.5	67.7	63.2	75.2	73.5
65+	15.9	9.2	14.8	16.1	15.2	12.7	9.5	11.2	13.1	14.4	15.8

LABOR FORCE PARTICIPATION RATE: 2016–2020											
AGE RANGE	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
16–24	60.6	63.9	61.4	63.6	61.1	62.1	60.6	66.0	37.7	61.9	58.9
25–44	85.2	78.4	87.2	85.0	77.0	82.3	77.6	82.6	74.2	84.7	83.1
45–64	75.7	67.7	75.6	79.2	71.1	75.4	64.5	66.2	50.2	75.4	73.3
65+	18.3	15.3	20.1	20.0	14.3	15.9	13.6	12.5	13.3	18.1	18.4

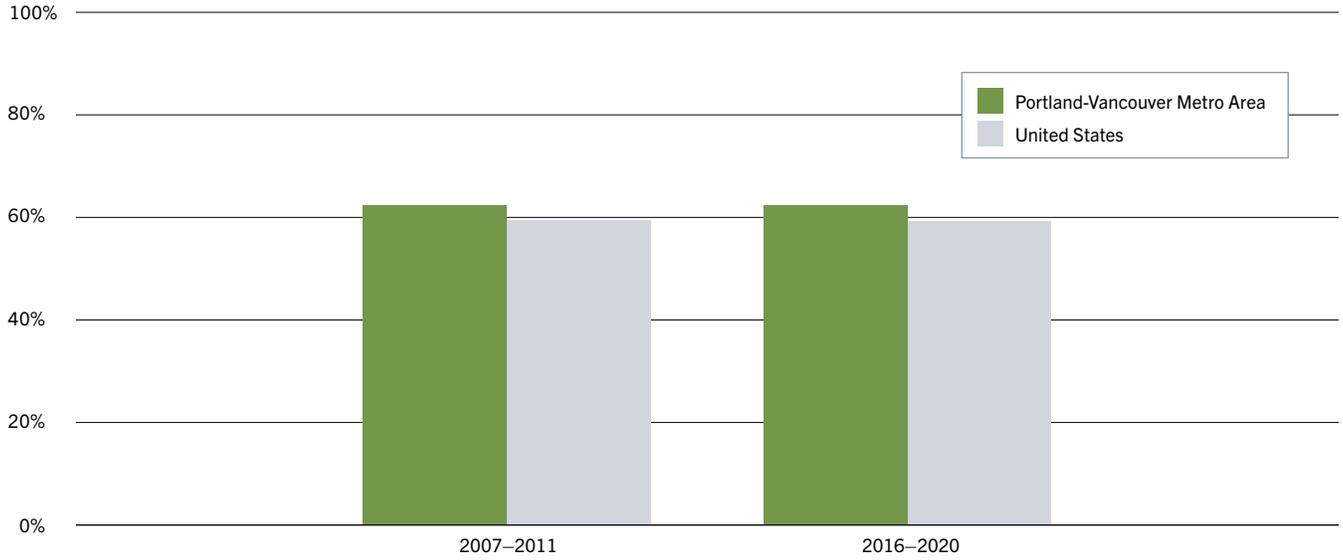
Source: U.S. Census, American Community Survey, Table S2301, 5-yr estimate

4.8 | LABOR FORCE PARTICIPATION RATE BY AGE GROUP: 2016–2020



Source: U.S. Census, American Community Survey, Table S2301, 5-yr estimate

4.9 | LABOR FORCE PARTICIPATION RATE, 16 TO 24: 2011 AND 2021



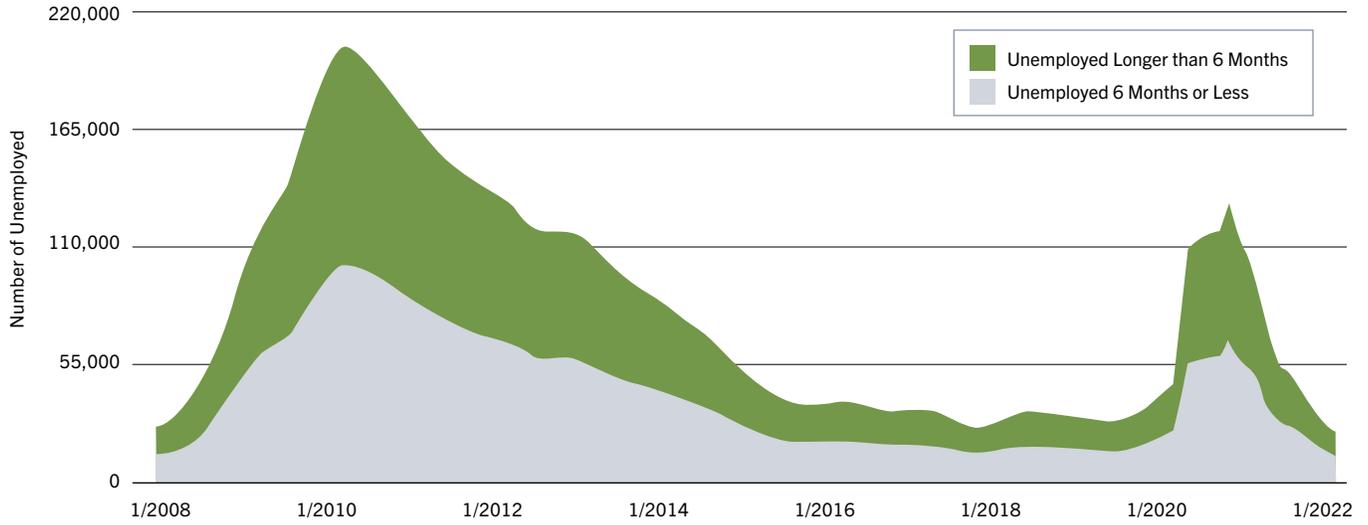
Source: U.S. Census, American Community Survey, Table S2301, 5-yr estimate

4.10 | UNEMPLOYMENT RATE: 2000-2021



Source: U.S. Bureau of Labor Statistics, Oregon Employment Department

4.11 | DURATION OF UNEMPLOYMENT IN OREGON



Source: Oregon Employment Department

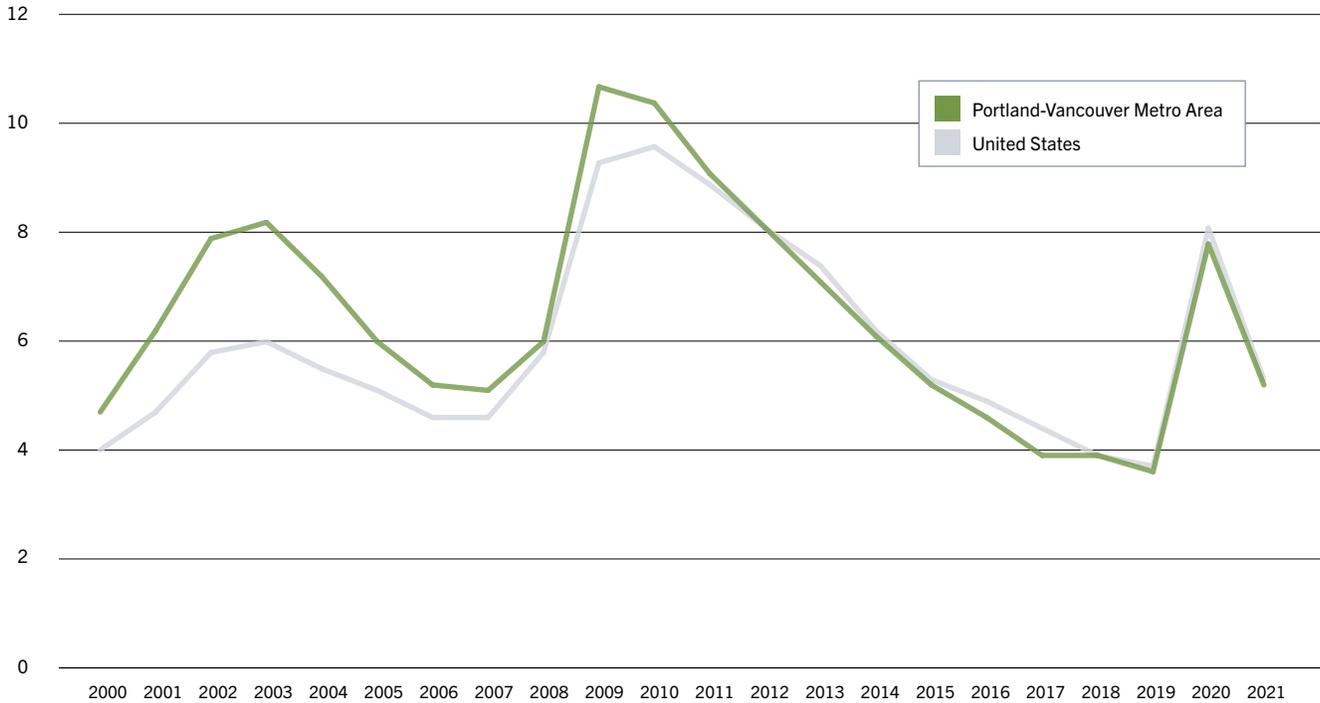
4.12 | UNEMPLOYMENT RATE BY AGE

2007–2011											
Age Range	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
16–24	21.7%	32.8%	20.2%	20.0%	22.0%	24.5%	25.8%	27.0%	63.8%	21.8%	19.4%
25–44	7.7%	13.5%	8.8%	20.0%	7.4%	9.4%	9.8%	3.6%	6.3%	8.4%	7.8%
45–64	6.3%	7.0%	7.8%	7.1%	7.1%	7.3%	9.2%	6.3%	14.5%	7.3%	6.4%
65+	7.1%	15.3%	6.8%	6.9%	1.2%	11.8%	3.2%	6.8%	4.7%	7.5%	5.7%

2016–2020											
Age Range	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland Metro Area	U.S.
16–24	10.0%	18.6%	13.6%	11.1%	6.7%	11.8%	14.4%	17.4%	3.9%	11.8%	12.8%
25–44	4.4%	5.0%	4.6%	3.4%	3.4%	5.2%	7.0%	4.9%	7.8%	4.4%	5.0%
45–64	3.5%	3.4%	4.0%	3.8%	2.2%	3.6%	3.9%	4.3%	2.9%	3.7%	3.8%
65+	3.6%	3.1%	6.1%	4.3%	2.5%	3.8%	2.7%	0.0%	5.9%	4.3%	3.6%

Source: U.S. Census, American Community Survey, Table S2301, 5-yr estimate

4.13 | UNEMPLOYED AND UNEMPLOYMENT RATE



Source: U.S. Bureau of Labor Statistics, Oregon Employment Department



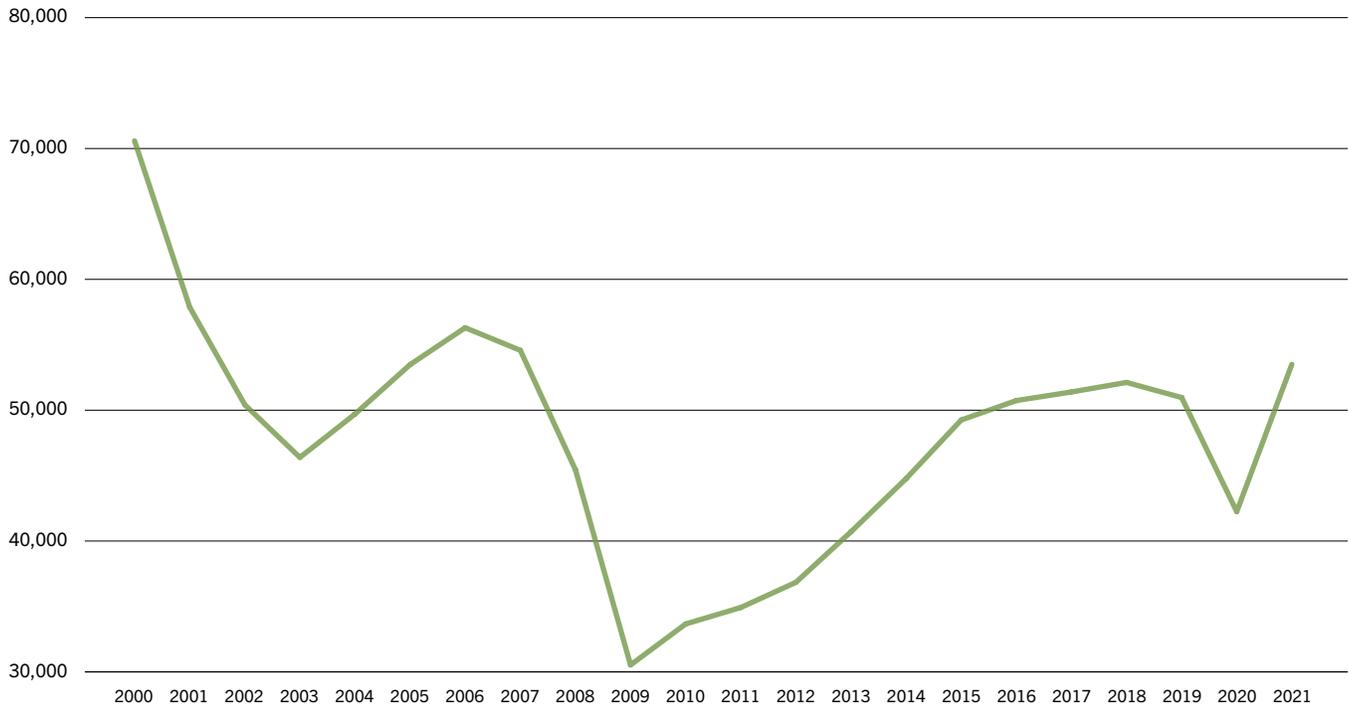
4.14 | JOB SEEKERS BY BROAD OCCUPATIONAL GROUP: PORTLAND METRO

Occ. Code	Occupations	Number of Job Seekers
	Management, Business, and Financial	
11-0000	Management Occupations	8,244
13-0000	Business and Financial Operations Occupations	4,975
	Professional and Related	
15-0000	Computer and Mathematical Science Occupations	3,465
17-0000	Architecture and Engineering Occupations	1,282
19-0000	Life, Physical, and Social Science Occupations	1,328
21-0000	Community and Social Service Occupations	2,563
23-0000	Legal Occupations	350
25-0000	Education, Training, and Library Occupations	3,130
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	3,582
	Health Care	
29-0000	Healthcare Practitioner and Technical Occupations	1,179
31-0000	Healthcare Support Occupations	1,686
	Services	
33-0000	Protective Service Occupations	767
35-0000	Food Preparation and Serving Related Occupations	4,638
37-0000	Building and Grounds Cleaning and Maintenance Workers	1,392
39-0000	Personal Care and Service Occupations	1,830
	Sales and Related	
41-0000	Sales and Related Occupations	5,594
	Office and Administrative Support	
43-0000	Office and Administrative Support Occupations	16,907
	Farming, Fishing, and Forestry	
45-0000	Farming, Fishing, and Forestry Occupations	614
	Construction and Extraction	
47-0000	Construction and Extraction Occupations	3,253
	Installation, Maintenance, and Repair	
49-0000	Installation, Maintenance, and Repair Occupations	2,241
	Production	
51-0000	Production Occupations	5,318
	Transportation and Material Moving	
53-0000	Transportation and Material Moving Occupations	4,782
	Military	49

Source: Oregon Employment Department, iMatchSkills

NOTE: Job seekers living in Columbia, Clackamas, Multnomah, Washington, or Yamhill County Oregon and had an active iMatchSkills account as of 9/30/2022. Includes Unemployment Insurance claimants, with some exceptions

**4.15 | YOUTH HIRING (AGES 14–24): 2000–2021
NEW HIRES IN THE PORTLAND-VANCOUVER METRO AREA**



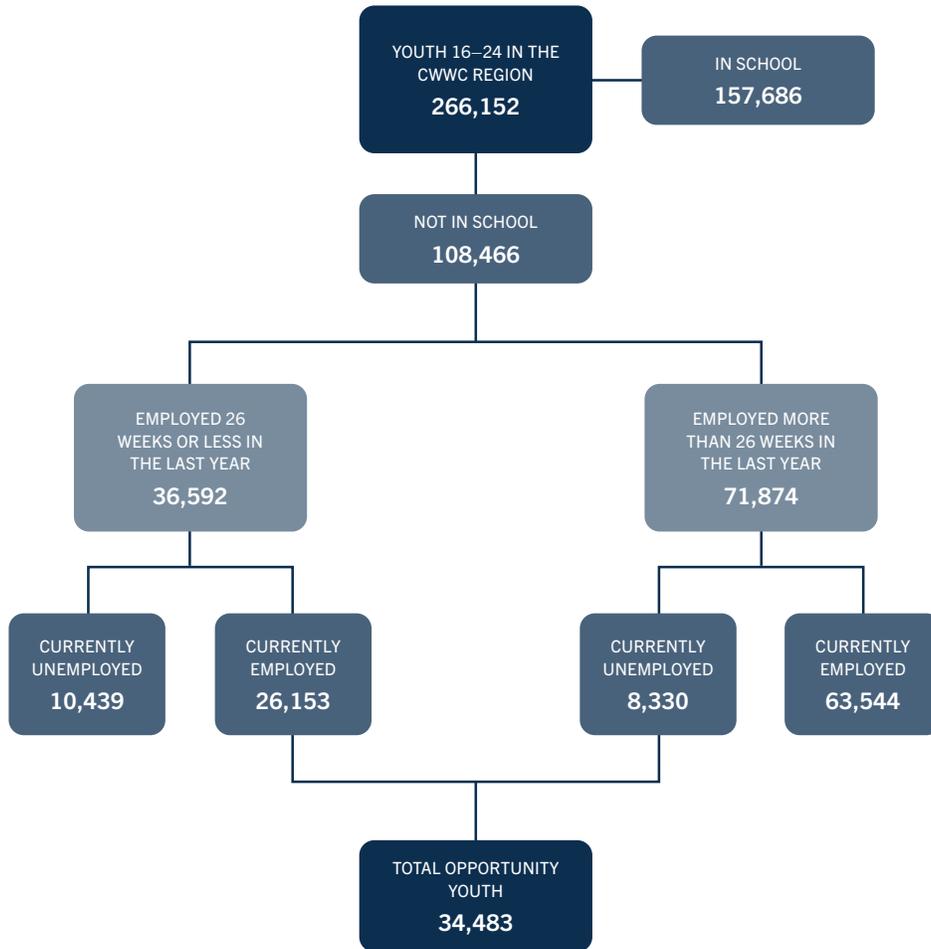
Source: U.S. Bureau of Labor Statistics, Oregon Employment Department

**4.16 | PORTLAND-VANCOUVER METRO AREA OPPORTUNITY YOUTH: 2020
(PEOPLE AGES 16–24, NOT IN SCHOOL AND NOT EMPLOYED)**

Population, Ages 16–24	266,152
Not in school	108,466
Employed	71,874
Not Employed	34,483
High School Diploma or Equivalent	25,037
Less Than High School	9,446

Source: Worksystems analysis of U.S. Census data

4.17 | IDENTIFYING OPPORTUNITY YOUTH, PORTLAND-VANCOUVER METRO AREA: 2020



Source: Worksystems analysis of U.S. Census data

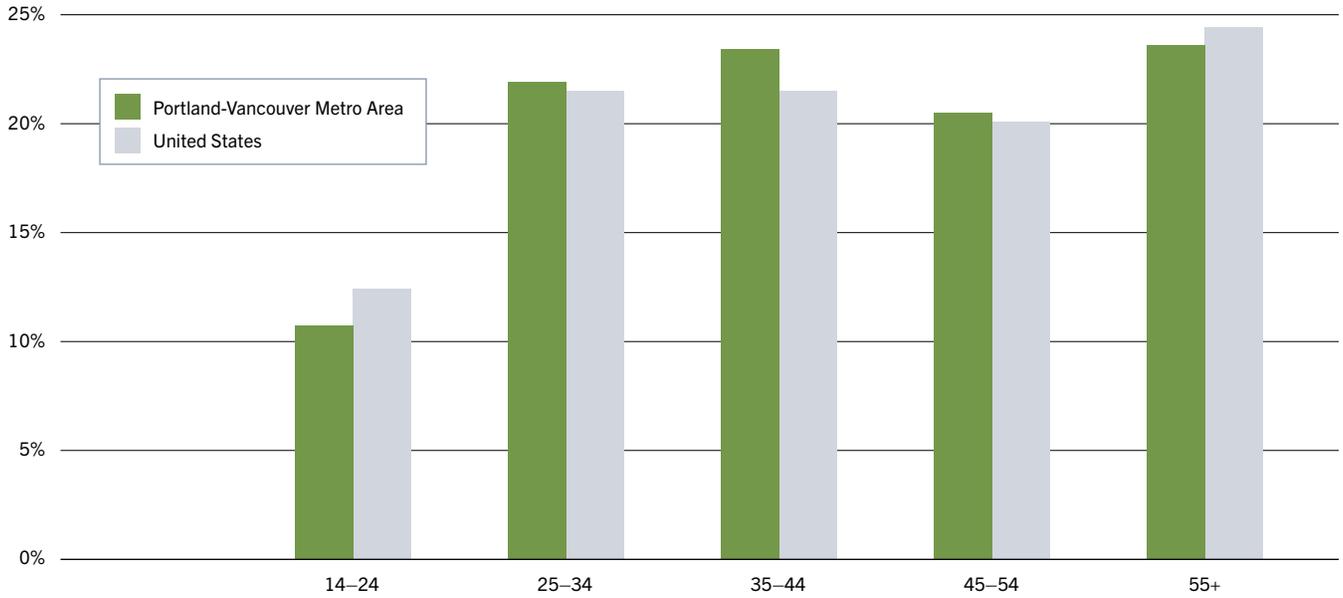
4.18 | YOUTH POPULATION (AGES 16–24): 2015 AND 2020

2016–2020							
	Population, 16–24	In Labor Force	Employed	Unemployed	Unemployment Rate	Not in Labor Force	Total Population
United States	38,813,039	22,845,990	19,791,816	2,624,657	11.5%	15,967,049	261,649,873
Portland-Vancouver Metro Area	268,804	166,414	148,407	17,705	10.6%	102,390	2,094,101
Clackamas	42,039	25,472	23,160	2,312	9.1%	16,567	336,548
Columbia	5,032	3,215	2,664	540	16.8%	1,817	42,552
Multnomah	79,743	48,927	42,926	5,943	12.1%	30,816	674,655
Washington	63,627	40,467	36,183	4,133	10.2%	23,160	474,726
Yamhill	13,619	8,328	7,817	503	6.0%	5,291	85,292
Clark	52,492	32,588	29,237	3,277	10.1%	19,904	380,197
Cowlitz	10,990	6,660	5,781	879	13.2%	4,330	86,520
Skamania	994	656	542	114	17.4%	338	9,987
Wahkiakum	268	101	97	4	4.0%	167	3,624

2011–2015							
	Population, 16–24	In Labor Force	Employed	Unemployed	Unemployment Rate	Not in Labor Force	Total Population
United States	39,758,787	23,089,633	18,790,022	3,909,856	16.9%	16,669,154	251,221,309
Portland-Vancouver Metro Area	267,764	160,943	131,259	29,562	18.4%	106,821	1,935,797
Clackamas	42,927	25,578	20,565	4,955	19.4%	17,349	313,378
Columbia	5,068	2,959	2,358	601	20.3%	2,109	39,606
Multnomah	82,309	50,409	41,339	9,049	18.0%	31,900	630,013
Washington	60,861	37,537	31,519	6,010	16.0%	23,324	434,453
Yamhill	13,755	8,288	6,749	1,539	18.6%	5,467	80,215
Clark	50,142	28,941	23,245	5,674	19.6%	21,201	344,185
Cowlitz	11,097	6,318	4,738	1,573	24.9%	4,779	81,246
Skamania	1,173	712	586	126	17.7%	461	9,205
Wahkiakum	432	201	160	35	17.4%	231	3,496

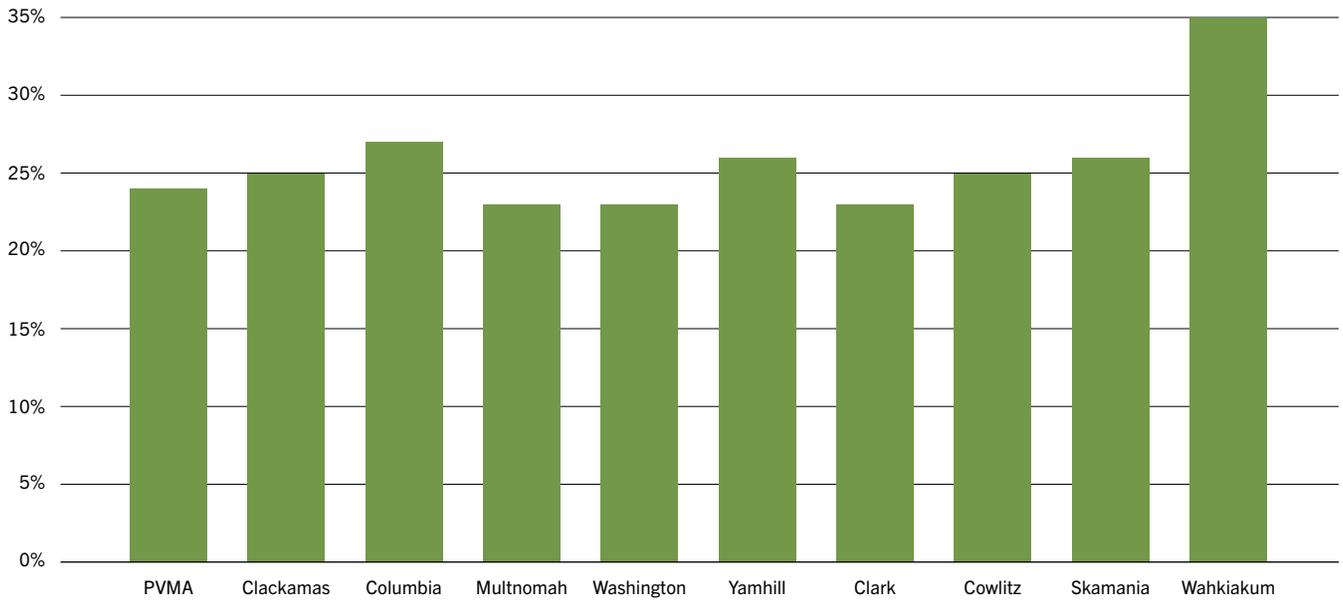
Source: US Census, American Community Survey, Table B23001

4.19 | SHARE OF WORKFORCE BY AGE



Source: U.S. Bureau of Labor Statistics, Oregon Employment Department

4.20 | SHARE OF WORKFORCE 55+: 2021



Source: Lightcast

4.21 | EMPLOYMENT BY BROAD INDUSTRY, PORTLAND-VANCOUVER METRO AREA, AGES 55+: 2021

	55+ Employment	Number of Job Seekers	Share of Industry's Employment
Agriculture, Forestry, Fishing and Hunting	6,491	2.0%	33.9%
Mining, Quarrying, and Oil and Gas Extraction	236	0.1%	32.7%
Utilities	740	0.2%	27.7%
Construction	21,265	6.6%	22.7%
Manufacturing	33,845	10.6%	25.6%
Wholesale Trade	14,666	4.6%	25.7%
Retail Trade	27,576	8.6%	21.4%
Transportation and Warehousing	13,545	4.2%	24.2%
Information	4,901	1.5%	17.4%
Finance and Insurance	11,409	3.6%	23.6%
Real Estate and Rental and Leasing	8,468	2.6%	32.1%
Professional, Scientific, and Technical Services	24,375	7.6%	24.4%
Management of Companies and Enterprises	7,467	2.3%	18.9%
Administrative and Support and Waste Management and Remediation Services	16,735	5.2%	22.4%
Educational Services	8,262	2.6%	25.3%
Health Care and Social Assistance	41,346	12.9%	23.8%
Arts, Entertainment, and Recreation	4,832	1.5%	25.4%
Accommodation and Food Services	14,356	4.5%	15.7%
Other Services (except Public Administration)	19,729	6.2%	27.8%
Government	39,295	12.3%	24.5%
Unclassified Industry	507	0.2%	22.1%
Total	320,047	100.0%	23.6%

Source: Lightcast

**4.22 | INDUSTRIES WITH SIGNIFICANT NEAR-RETIREE EMPLOYMENT COMPARED TO YOUTH
EMPLOYMENT PORTLAND-VANCOUVER METRO AREA: 2021 (ALL OWNERSHIPS)**

	14–24		55+	
	#	Share of Industry Employment	#	Share of Industry Employment
Performing Arts, Spectator Sports, and Related Industries	705	8.8%	2,742	34.3%
Plastics and Rubber Products Manufacturing	449	8.8%	1,283	25.1%
Construction of Buildings	2,220	8.4%	6,434	24.4%
Wood Product Manufacturing	424	7.9%	1,597	29.8%
Merchant Wholesalers, Nondurable Goods	1,515	7.4%	4,690	22.9%
Furniture and Related Product Manufacturing	253	7.1%	1,104	30.9%
Nonstore Retailers	465	7.0%	1,742	26.0%
Waste Management and Remediation Services	274	6.9%	939	23.7%
Ambulatory Health Care Services	4,420	6.8%	14,245	22.1%
Motion Picture and Sound Recording Industries	230	6.5%	788	22.2%
Miscellaneous Manufacturing	469	6.5%	1,947	26.8%
Fabricated Metal Product Manufacturing	826	6.5%	3,535	27.6%
Religious, Grantmaking, Civic, Professional, and Similar Organizations	1,370	6.3%	7,298	33.6%
Real Estate	1,408	6.1%	7,619	32.9%
Truck Transportation	807	6.1%	4,284	32.2%
Forestry and Logging	107	6.0%	629	35.4%
Electrical Equipment, Appliance, and Component Manufacturing	161	5.9%	666	24.3%
State Government	801	5.9%	3,672	27.0%
Chemical Manufacturing	208	5.8%	812	22.7%
Telecommunications	186	5.4%	717	20.8%
Merchant Wholesalers, Durable Goods	1,595	5.2%	8,222	26.8%
Rail Transportation	78	5.2%	325	21.5%
Securities, Commodity Contracts, and Other Financial Investments and Related Activities	371	5.1%	1,796	24.4%
Printing and Related Support Activities	153	4.9%	1,041	33.0%
Professional, Scientific, and Technical Services	4,821	4.8%	24,375	24.4%
Nonmetallic Mineral Product Manufacturing	182	4.8%	1,071	28.0%
Local Government	5,425	4.5%	30,741	25.4%
Transportation Equipment Manufacturing	270	4.4%	1,814	29.7%
Paper Manufacturing	214	4.4%	1,592	32.9%
Transit and Ground Passenger Transportation	207	4.3%	2,408	50.0%
Wholesale Electronic Markets and Agents and Brokers	233	4.0%	1,754	30.2%
Primary Metal Manufacturing	184	4.0%	1,315	28.3%
Machinery Manufacturing	409	3.9%	2,808	26.4%
Insurance Carriers and Related Activities	782	3.5%	5,944	26.5%
Hospitals	1,067	3.3%	7,337	22.7%
Air Transportation	115	3.1%	1,135	30.5%
Computer and Electronic Product Manufacturing	1,126	3.0%	8,325	22.1%
Broadcasting (except Internet)	28	2.1%	356	27.4%
Utilities	32	1.2%	740	27.7%
Total, All Industries	144,739	10.7%	320,047	23.6%

Source: Lightcast

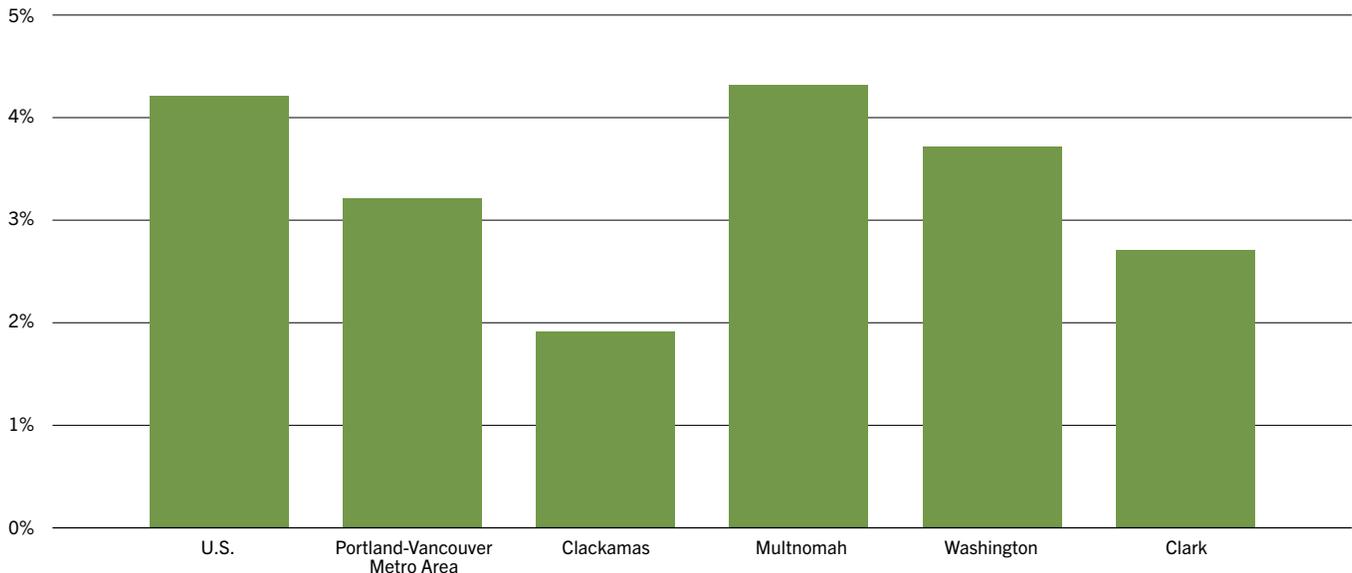
EDUCATION

5.1 | POPULATION BY ABILITY TO SPEAK ENGLISH: 2020

	United States	Portland-Vancouver Metro Area	Clackamas	Multnomah	Washington	Clark	Columbia	Yamhill	Cowlitz	Skamania	Wahkiakum
Total Population 5 Years and Older	306,919,116	2,440,036	392,976	767,016	560,320	452,698	49,413	100,199	101,847	11,419	4,148
Speak English "not well"	8,922,509	57,553	5,848	22,751	15,749	9,894	132	2,228	848	103	-
Speak English "not at all"	3,844,320	19,636	1,633	10,008	4,865	2,111	30	812	172	5	-
Population 5 to 17 Years	53,646,546	408,673	67,150	108,459	100,667	86,108	8,236	17,610	18,123	1,736	584
Speak English "not well"	605,975	5,571	737	2,113	1,045	1,254	22	351	44	5	-
Speak English "not at all"	115,749	994	29	319	342	155	-	149	-	-	-
Population 18 to 64 Years	200,909,753	1,640,999	250,906	549,573	380,151	292,137	31,434	64,321	63,088	7,233	2,156
Speak English "not well"	6,622,305	43,609	4,331	17,328	11,966	7,373	110	1,746	659	96	-
Speak English "not at all"	2,601,498	13,441	905	7,163	3,250	1,339	30	604	146	4	-
Population 65 Years and older	52,362,817	390,364	74,920	108,984	79,502	74,453	9,743	18,268	20,636	2,450	1,408
Speak English "not well"	1,694,229	8,373	780	3,310	2,738	1,267	-	131	145	2	-
Speak English "not at all"	1,127,073	5,201	699	2,526	1,273	617	-	59	26	1	-

Source: U.S. Census, American Community Survey, Table B16004, 5yr. Estimate

5.2 | SHARE OF POPULATION BY ABILITY TO SPEAK ENGLISH: 2020



Source: U.S. Census, American Community Survey, Table B16004, 5yr. Estimate

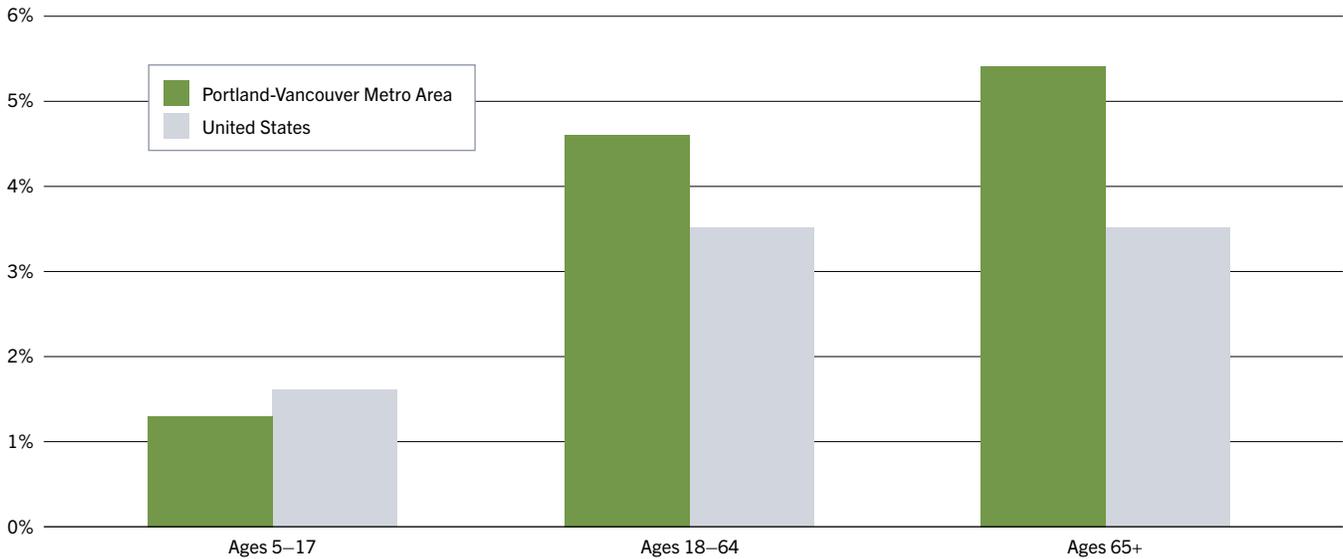
5.3 | PUBLIC SCHOOL STUDENTS: ENGLISH LEARNERS

County	2000–2001			2014–2015		
	Total Students	English Learners	% of Total Enrollment	Total Students	English Learners	% of Total Enrollment
Portland-Vancouver Metro Area	330,607	26,429	8.0%	356,901	38,857	10.9%
Clackamas	54,691	3,782	6.9%	58,792	3,970	6.8%
Columbia	8,600	13	0.2%	7,684	102	1.3%
Multnomah	93,278	11,055	11.9%	93,009	13,171	14.2%
Washington	73,195	6,996	9.6%	86,479	11,956	13.8%
Yamhill	15,473	1,254	8.1%	16,625	1,596	9.6%
Clark	65,862	3,320	5.0%	76,060	7,207	9.5%
Cowlitz	17,705	unavailable		16,684	813	4.9%
Skamania	1,294	9	0.7%	1,122	26	2.3%
Wahkiakum	509	unavailable		446	16	3.6%

Source: Oregon Department of Education, Washington Office of Superintendent of Public Education, National Center for Education Statistics

Note: Columbia, Clark, and Skamania 2000 data for English Learners unavailable; estimated based on 2001 ratios

5.4 | POPULATION NOT SPEAKING ENGLISH WELL OR AT ALL BY AGE: 2020



Source: U.S. Census

5.5 | LANGUAGE OTHER THAN ENGLISH SPOKEN AT HOME: 2020

	U.S.	Portland-Vancouver Metro Area	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum
Total:	306,919,116	2,440,036	392,976	49,413	767,016	560,320	100,199	452,698	101,847	11,419	4,148
Speak only English	240,826,040	2,007,997	344,755	47,777	614,476	421,187	86,509	383,356	95,162	10,888	3,887
Spanish	40,537,337	195,032	22,097	1,009	61,720	66,716	11,242	27,386	4,326	366	170
French, Haitian, or Cajun	2,060,712	9,045	1,096	50	4,093	2,502	145	987	157	15	-
German or other West Germanic languages	1,400,064	11,759	1,730	124	4,447	2,898	636	1,450	467	7	-
Russian, Polish, or other Slavic languages	2,044,717	42,155	5,786	8	14,793	4,649	201	16,616	100	2	-
Other Indo-European languages	5,765,141	36,391	4,562	47	9,586	16,114	245	5,261	503	65	8
Korean	1,093,097	9,977	1,414	7	1,523	5,161	44	1,743	50	2	33
Chinese (incl. Mandarin, Cantonese)	3,429,292	27,109	3,301	67	11,513	7,656	600	3,766	178	-	28
Vietnamese	1,528,587	28,245	1,846	-	15,813	6,543	68	3,783	192	-	-
Tagalog (incl. Filipino)	1,712,452	10,902	1,319	84	3,199	4,138	131	1,845	119	51	16
Other Asian and Pacific Island languages	3,037,042	37,676	3,583	163	14,132	14,690	176	4,469	439	23	1
Other and unspecified languages	3,484,635	23,748	1,487	77	11,721	8,066	202	2,036	154	-	5

Source: U.S. Census, American Community Survey, Table C16001, 5 yr. estimate



5.6 | PUBLIC SCHOOL STUDENTS BY RACE, ETHNICITY, LOW INCOME

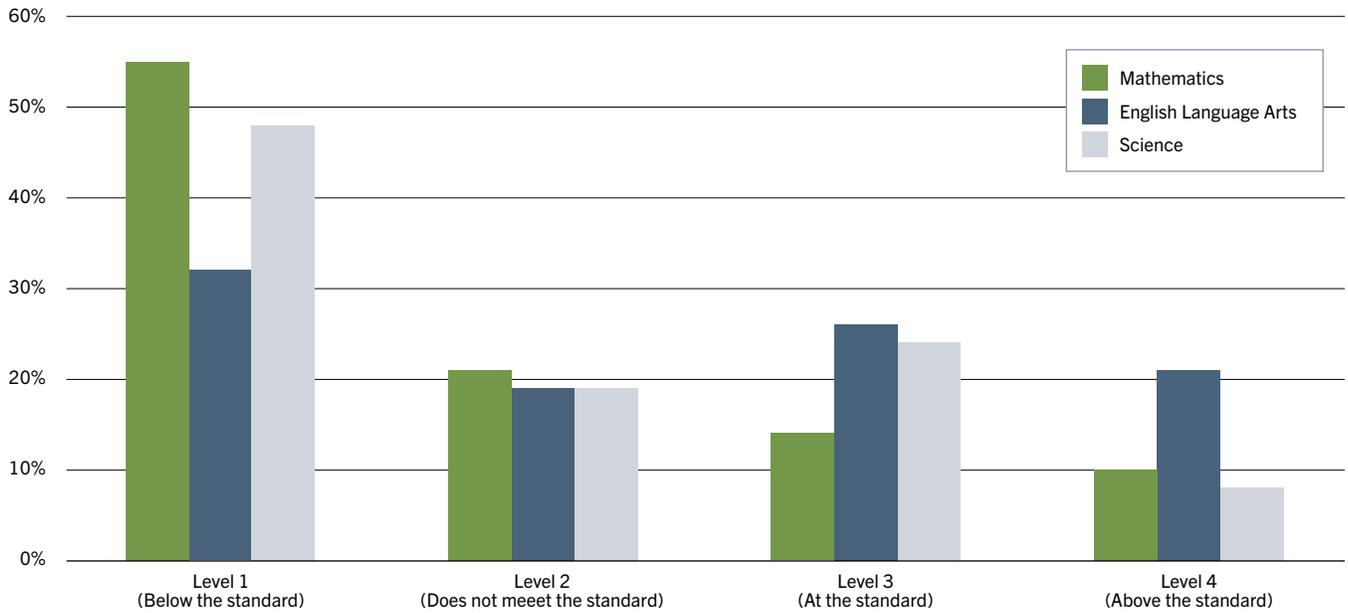
2014–2015 School Year															
County	Total Students	White		Black		Hispanic		Asian/Pacific Islander		American Indian/ Alaska Native		Multi-racial/ Unknown		Economically Disadvantaged*	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
Greater Portland Region	356,901	221,516	62.1%	12,529	3.5%	73,149	20.5%	25,020	7.0%	2,749	0.8%	21,938	6.1%	158,568	44.4%
Clackamas	58,792	42,968	73.1%	607	1.0%	8,621	14.7%	2,803	4.8%	417	0.7%	3,376	5.7%	20,702	35.2%
Columbia	7,684	6,450	83.9%	47	0.6%	571	7.4%	124	1.6%	142	1.8%	350	4.6%	3,481	45.3%
Multnomah	93,009	48,562	52.2%	8,054	8.7%	20,392	21.9%	8,644	9.3%	778	0.8%	6,579	7.1%	50,454	54.2%
Washington	86,479	46,237	53.5%	1,887	2.2%	24,077	27.8%	8,643	10.0%	453	0.5%	5,182	6.0%	33,527	38.8%
Yamhill	16,625	11,311	68.0%	159	1.0%	4,088	24.6%	281	1.7%	366	2.2%	420	2.5%	8,596	51.7%
Clark	76,060	52,382	68.9%	1,629	2.1%	12,475	16.4%	4,239	5.6%	354	0.5%	4,981	6.5%	32,005	42.1%
Cowlitz	16,684	12,346	74.0%	127	0.8%	2,740	16.4%	274	1.6%	210	1.3%	987	5.9%	8,964	53.7%
Skamania	1,122	871	77.6%	16	1.4%	152	13.5%	8	0.7%	26	2.3%	49	4.4%	570	50.8%
Wahkiakum	446	389	87.2%	3	0.7%	33	7.4%	4	0.9%	3	0.7%	14	3.1%	269	60.3%

2000–2001 School Year															
County	Total Students	White		Black		Hispanic		Asian/Pacific Islander		American Indian/ Alaska Native		Multi-racial/ Unknown		Economically Disadvantaged*	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
Greater Portland Region	330,607	261,691	79.2%	14,723	4.5%	27,968	8.5%	19,269	5.8%	4,301	1.3%	2,009	0.6%	90,491	27.4%
Clackamas	54,691	47,155	86.2%	568	1.0%	2,760	5.0%	1,776	3.2%	400	0.7%	1,925	3.5%	11,063	20.2%
Columbia	8,600	7,981	92.8%	49	0.6%	248	2.9%	146	1.7%	169	2.0%	7	0.1%	2,123	24.7%
Multnomah	93,278	64,580	69.2%	10,305	11.0%	8,637	9.3%	7,640	8.2%	1,654	1.8%	20	0.0%	34,555	37.0%
Washington	73,195	54,983	75.1%	1,525	2.1%	10,023	13.7%	6,054	8.3%	494	0.7%	19	0.0%	15,886	21.7%
Yamhill	15,473	12,859	83.1%	125	0.8%	1,983	12.8%	208	1.3%	260	1.7%	38	0.2%	5,139	33.2%
Clark	65,862	56,827	86.3%	1,951	3.0%	3,190	4.8%	3,031	4.6%	863	1.3%	0	0.0%	21,220	32.2%
Cowlitz	17,705	15,706	88.7%	182	1.0%	1,059	6.0%	378	2.1%	380	2.1%	0	0.0%	unavail.	
Skamania	1,294	1,130	87.3%	10	0.8%	57	4.4%	31	2.4%	66	5.1%	0	0.0%	505	39.0%
Wahkiakum	509	470	92.3%	8	1.6%	11	2.2%	5	1.0%	15	2.9%	0	0.0%	unavail.	

Source: Oregon Department of Education, Washington Office of Superintendent of Public Instruction

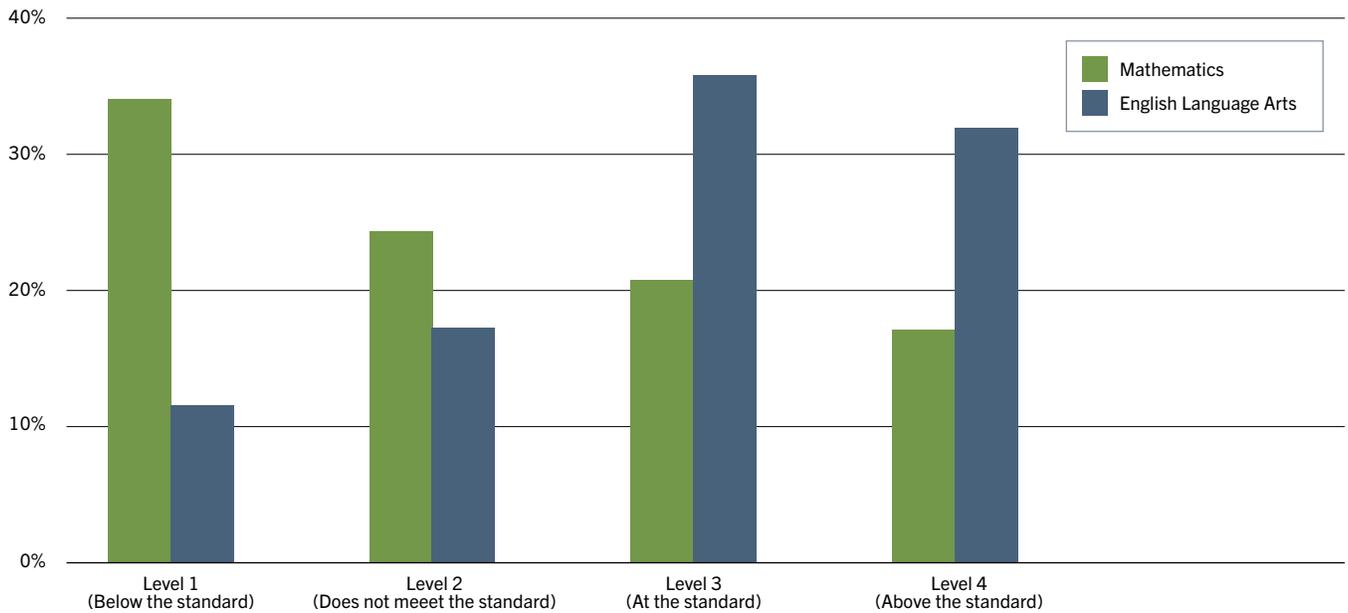
* Eligible for free or reduced price meals
Clark and Skamania 2000 data for Economically Disadvantaged unavailable; estimated based on 2001 ratios

5.7 | 11TH GRADE TEST RESULTS: PORTLAND METRO AREA (OR PORTION): 2020–2021 SCHOOL YEAR



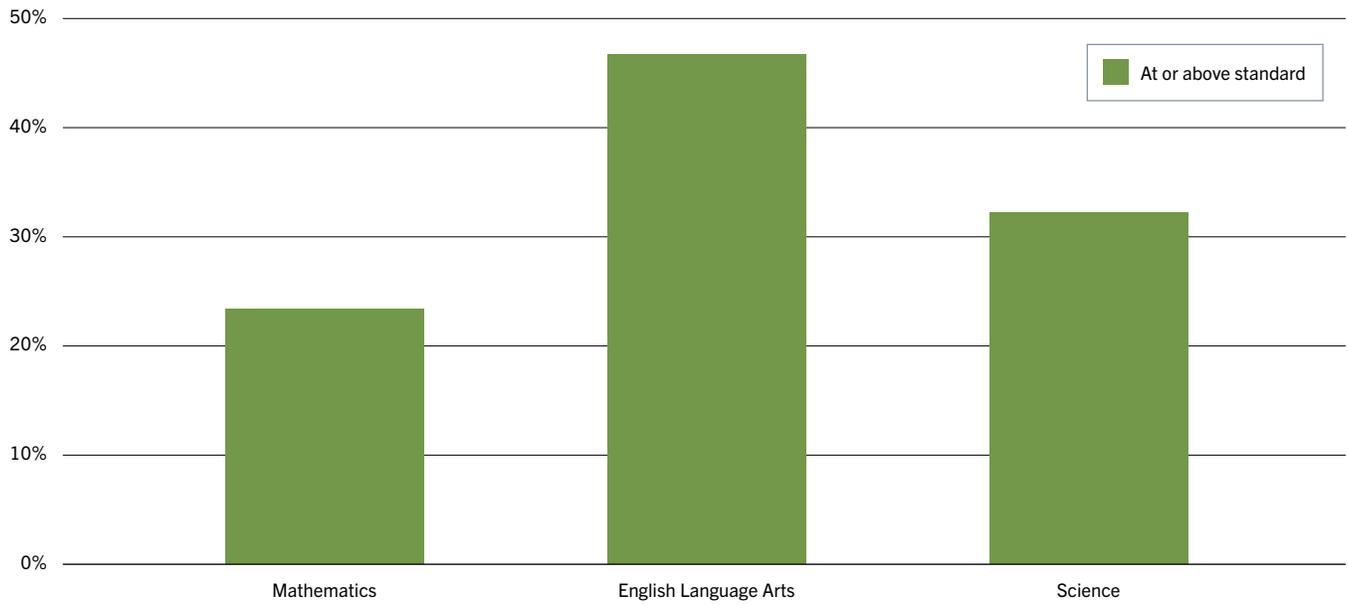
Source: Oregon Department of Education

5.8 | 10TH GRADE TEST RESULTS: PORTLAND METRO AREA SW WASHINGTON



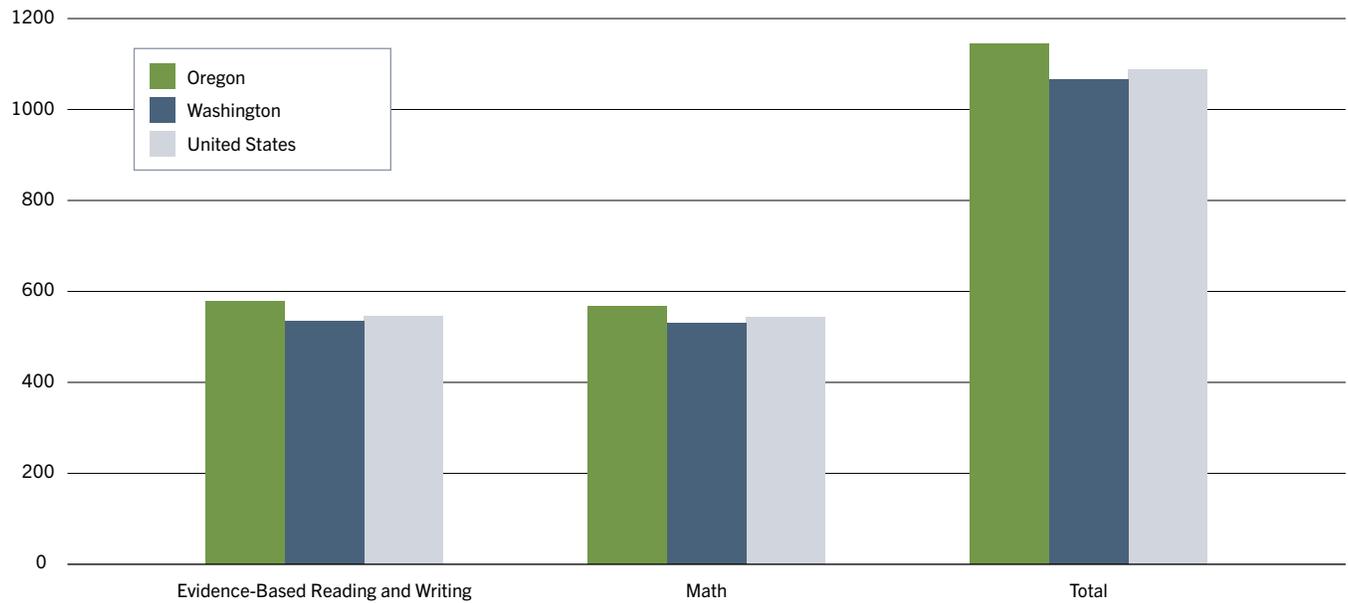
Source: Washington Office of Superintendent of Public Education

5.9 | 11TH GRADE TEST RESULTS: PORTLAND METRO AREA (OR PORTION): 2020–2021 SCHOOL YEAR



Source: Oregon Department of Education

5.10 | AVERAGE SAT SCORES: 2020–2021 SCHOOL YEAR



Source: The College Board

5.11 | HIGH SCHOOL GRADUATION AND NON-COMPLETER RATES 2020–2021 FOUR-YEAR COHORT

	Cohort	Regular High School Diploma	Graduation Rate (regular diploma)*	Dropout** Rate
Clackamas	4,979	4,460	89.58	10.4%
Columbia	563	417	74.07	25.9%
Multnomah	7,008	5,424	77.40	22.6%
Washington	6,780	5,897	86.98	13.0%
Yamhill	1,305	1,137	87.13	12.9%
Clark	5,923	5,232	88.33	11.7%
Cowlitz	1,210	1,061	87.69	12.3%
Skamania	85	71	83.53	16.5%
Portland-Vancouver Metro Area	27,853	23,699	85.09	14.9%

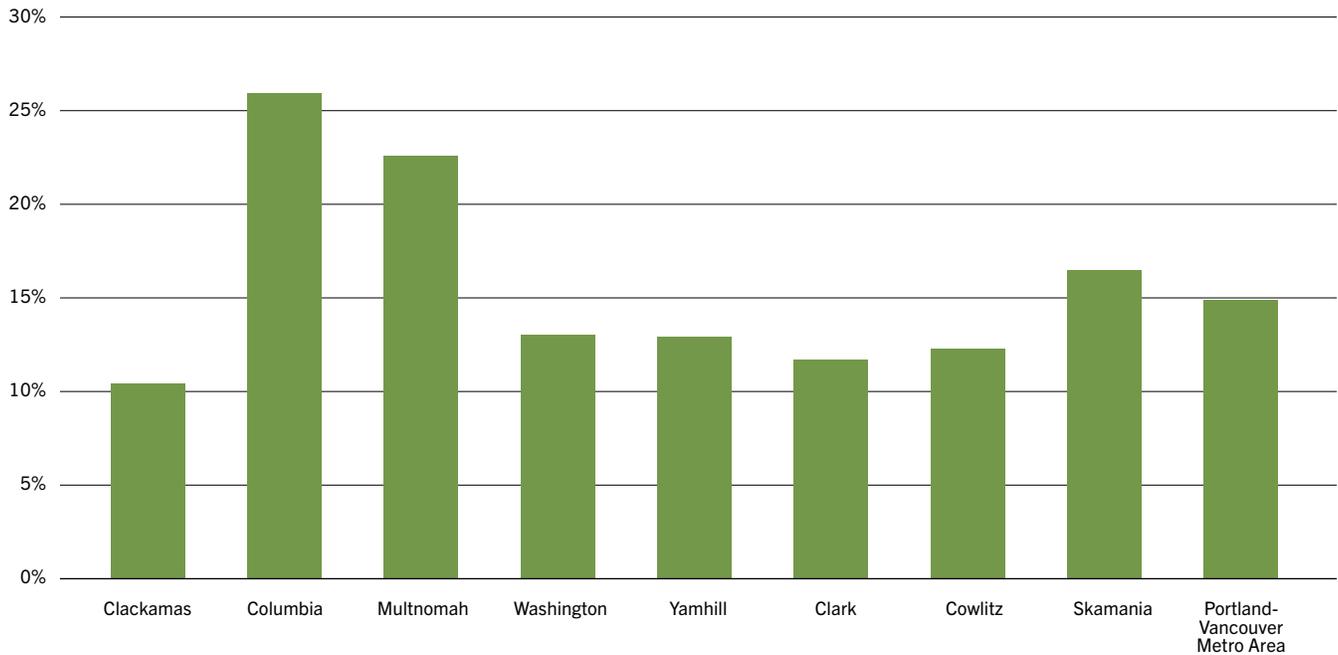
Source: Oregon Department of Education; Washington State Office of Superintendent of Public Instruction

Note: Data is not available for Wahkiakum County

*Does not include other completers (Adult HS diploma, GED, Modified diploma, Extended diploma)

**Students who either dropped out or completed 4 years of high school but did not graduate and did not enroll in 2022–2023.

5.12 | DROPOUT RATE: 2020–2021 FOUR-YEAR COHORT



Source: Oregon Department of Education, Washington Office of Superintendent of Public Instruction

5.13 | HIGH SCHOOL GRADUATION RATES, 2020–2021 FOUR-YEAR COHORT COMPLETER RATE

	Adjusted Cohort	Diploma*	Graduation Rate (diploma)	Other Completers**	Completer Rate	Noncompleters**	Noncompleter Rate
Portland-Vancouver Metro Area							
Male	12,899	11,222	87.00	108	87.84	1,113	8.63
Female	12,659	10,464	82.66	167	83.98	1,903	15.03
White	3,673	3,124	85.05	0	85.05	508	13.83
Black	4,975	3,837	77.13	52	78.17	1,031	20.72
Hispanic	12,278	10,633	86.60	191	88.16	1,343	10.94

Clackamas							
Male	2,427	2,224	91.64	23	92.58	132	5.44
Female	2,538	2,224	87.63	30	88.81	194	7.64
White	75	65	86.67	*	86.67	*	*
Black	761	655	86.07	12	87.65	61	8.02
Hispanic	3,498	3,146	89.94	36	90.97	230	6.58

Columbia							
Male	284	224	78.87	*	80.28	56	19.72
Female	278	193	69.42	*	69.78	83	29.86
White	*	*	*	*	*	*	*
Black	49	32	65.31	*	65.31	10	20.41
Hispanic	462	347	75.11	*	76.19	109	23.59

Multnomah							
Male	3,292	2,674	81.23	30	82.14	574	17.44
Female	3,672	2,716	73.97	41	75.08	887	24.16
White	587	401	68.31		68.65	176	29.98
Black	1,720	1,179	68.55	11	69.19	522	30.35
Hispanic	3,336	2,741	82.16	44	83.48	537	16.10

Washington							
Male	3,220	2,883	89.53	45	90.93	292	9.07
Female	3,550	3,004	84.62	80	86.87	466	13.13
White	173	154	89.02		89.60	13	7.51
Black	1,997	1,570	78.62	29	80.07	392	19.63
Hispanic	3,457	3,106	89.85	86	92.33	265	7.67

Yamhill							
Male	623	552	88.60	10	90.21	59	9.47
Female	680	584	85.88	16	88.24	75	11.03
White	15		>95%		>95%		
Black	335	304	90.75		90.75	30	8.96
Hispanic	867	745	85.93	25	88.81	92	10.61

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	Adjusted Cohort	Diploma*	Graduation Rate (diploma)	Other Completers**	Completer Rate	Noncompleters**	Noncompleter Rate
Clark							
Male	2,444	2,139	87.52	*	*	305	12.48
Female	1,346	1,220	90.64	*	*	126	9.36
White	1,979	1,770	89.44	*	*	209	10.56
Black	113	97	85.84	*	*	16	14.16
Hispanic	511	419	82.00	*	*	92	18.00

Cowlitz							
Male	561	488	86.99	*	87.81	73	13.01
Female	558	490	87.81	*	87.81	68	12.19
White	796	696	87.44	*	87.81	100	12.56
Black	*	*	*	*	*	*	*
Hispanic	147	129	87.76	*	87.81	18	12.24

Skamania							
Male	48	38	79.17	*	79.17	10	20.83
Female	37	33	89.19	*	89.19	4	10.81
White	48	38	79.17	*	79.17	10	20.83
Black	*	*	*	*	*	*	*
Hispanic	*	*	*	*	*	*	*

Wahkiakum							
Male	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-	-

Source: Oregon Department of Education; Washington State Office of Superintendent of Public Instruction

Notes:

* Includes Modified Diploma

** Adult HS Diploma, Extended Diploma, GED

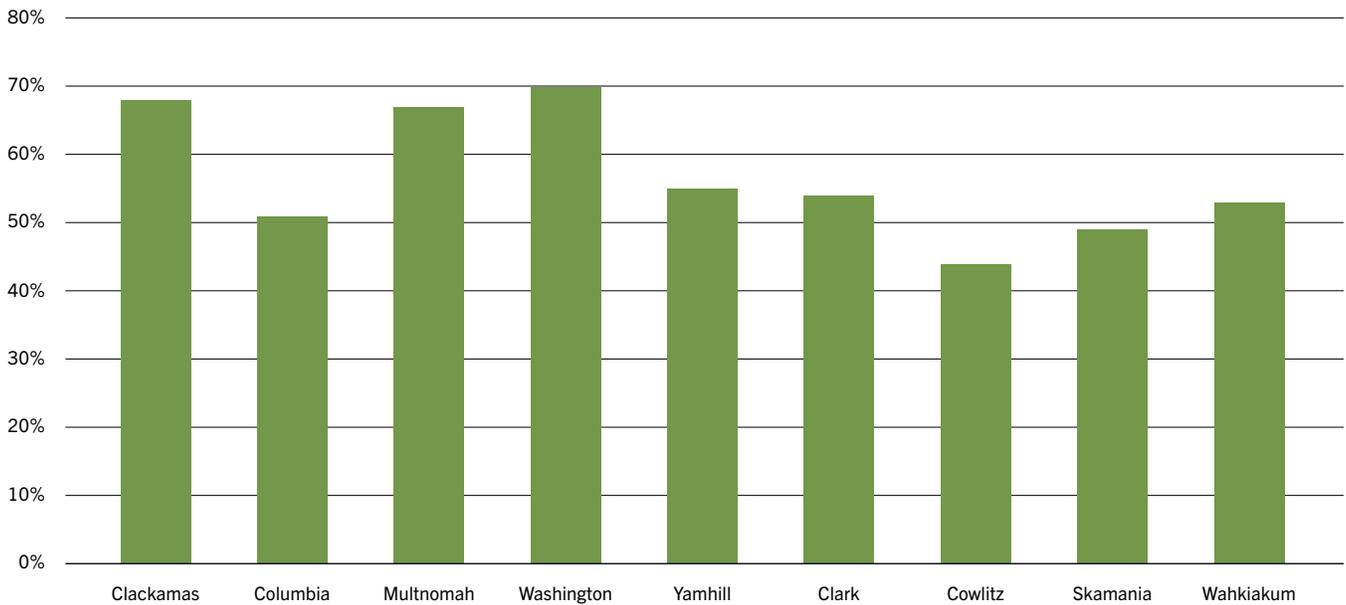
*** Students who either dropped out or completed 4 years of high school but did not graduate and did not enroll in 2014–2015

5.14 | ENROLLMENT IN CONTINUING EDUCATION: 2017–2018 SCHOOL YEAR

	High School Graduates	Enrollment in Continuing Education	Enrollment Rate
Clackamas	4,330	2,958	68%
Columbia	479	245	51%
Multnomah	5,192	3,474	67%
Washington	5,742	4,000	70%
Yamhill	1,193	652	55%
Clark	5,286	2,854	54%
Cowlitz	1,064	468	44%
Skamania	62	30	49%
Wahkiakum	31	16	53%

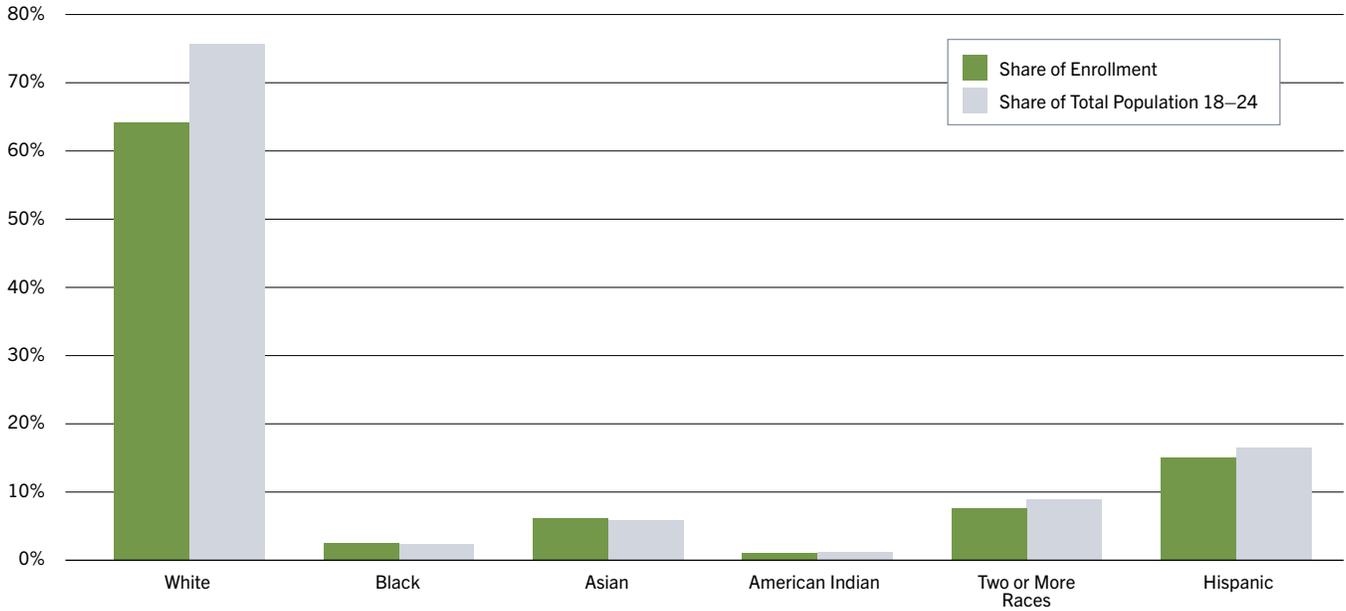
Source: Oregon Department of Education, Washington Education Research Center

5.15 | ENROLLMENT IN CONTINUING EDUCATION: 2017–2018 SCHOOL YEAR



Source: Oregon Department of Education, Washington Education Research Center

5.16 | COMPOSITION OF COLLEGE ENROLLMENT VS. TOTAL POPULATION 2- AND 4-YEAR INSTITUTIONS: OREGON, 2020



Source: National Center for Education Statistics

5.17 | GRADUATION RATES OF 2-YEAR, DEGREE-GRANTING INSTITUTIONS: OREGON

	Fall 2020 Total Enrollment*	2017 Cohort		
		Degree-Seeking	Completers	Graduation Rate**
Clackamas Community College	4,330	2,958	68%	21.7%
Concorde Career College, Portland	479	245	51%	80.3%
Mt Hood Community College	5,192	3,474	67%	26.1%
Portland Community College	5,742	4,000	70%	20.1%

Source: National Center for Education Statistics

Note: 2022 note: no longer any Washington State schools on this list
 * All students, including degree/certificate- and non-degree/certificate-seeking
 ** Graduation rates are 150% of normal time (up to 3 years for a 2-year degree)

**5.18 | GRADUATION RATES OF 4-YEAR, DEGREE-GRANTING INSTITUTIONS,
OREGON AND WASHINGTON SCHOOLS, 2014 COHORT YEAR**

	2014 Cohort			
Institution name	Fall 2020 Enrollment*	Degree-Seeking (Bachelor's or equivalent)	Completers	Graduation Rate**
Oregon				
Bushnell University	717	77	39	50.6%
Corban University	1,160	220	111	50.5%
Eastern Oregon University	2,853	280	78	27.9%
George Fox University	4,106	627	414	66.0%
Lewis & Clark College	3,157	561	413	73.6%
Linfield University-McMinnville Campus	1,392	459	344	74.9%
Mount Angel Seminary	127	2	1	50.0%
Multnomah University	623	44	22	50.0%
New Hope Christian College-Eugene	52	24	6	25.0%
Oregon Institute of Technology	5,323	327	168	51.4%
Oregon State University	32,312	3,449	2,391	69.3%
Pacific Northwest College of Art	569	73	31	42.5%
Pacific University	3,808	459	293	63.8%
Portland State University	23,640	1,571	772	49.1%
Reed College	1,385	345	264	76.5%
Southern Oregon University	5,140	631	294	46.6%
University of Oregon	21,752	3,891	2,875	73.9%
University of Portland	3,999	1,080	908	84.1%
Warner Pacific University	466	133	50	37.6%
Warner Pacific University Professional and Graduate Studies	483	17	2	11.8%
Western Oregon University	4,554	834	376	45.1%
Willamette University	1,866	552	407	73.7%

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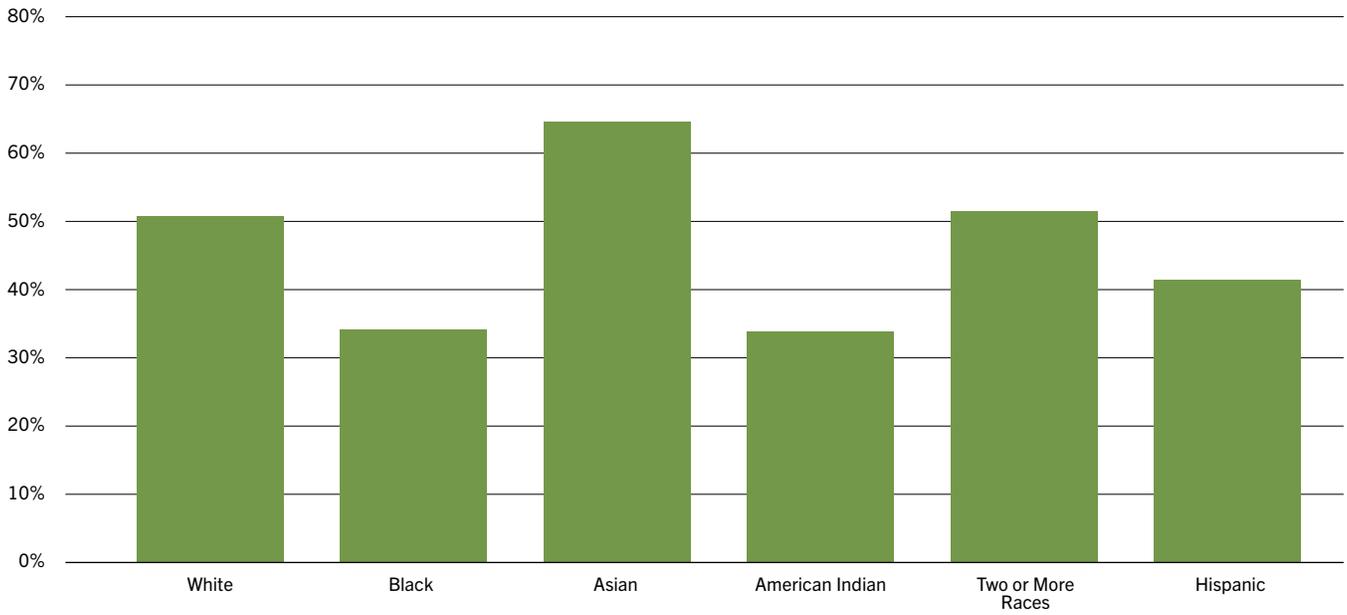
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Institution name	2014 Cohort			
	Fall 2020 Enrollment*	Degree-Seeking (Bachelor's or equivalent)	Completers	Graduation Rate**
Washington State				
Central Washington University	11,174	1,198	699	58.3%
Cornish College of the Arts	482	160	83	51.9%
DigiPen Institute of Technology	1120	154	81	52.6%
Eastern Washington University	12,349	1,603	852	53.2%
Faith International University	318	6	2	33.3%
Gonzaga University	7295	1047	921	88.0%
Heritage University	999	120	50	41.7%
Northwest College of Art & Design	101	25	10	40.0%
Northwest Indian College	555	21	6	28.6%
Northwest University	1184	193	124	64.2%
Pacific Lutheran University	2907	574	409	71.3%
Saint Martin's University	1,638	153	94	61.4%
Seattle Pacific University	3,601	681	446	65.5%
Seattle University	7,050	925	672	72.6%
The Evergreen State College	2,281	526	236	44.9%
University of Puget Sound	2,130	663	511	77.1%
University of Washington-Bothell Campus	6,304	625	393	62.9%
University of Washington-Seattle Campus	48,149	6,317	5,180	82.0%
University of Washington-Tacoma Campus	5,364	416	251	60.3%
Walla Walla University	1,737	345	200	58.0%
Washington State University	31,159	4,357	2,551	58.5%
Western Washington University	15,197	2,763	1,866	67.5%
Whitman College	1,360	393	337	85.8%
Whitworth University	2,756	614	473	77.0%

Source: National Center for Education Statistics

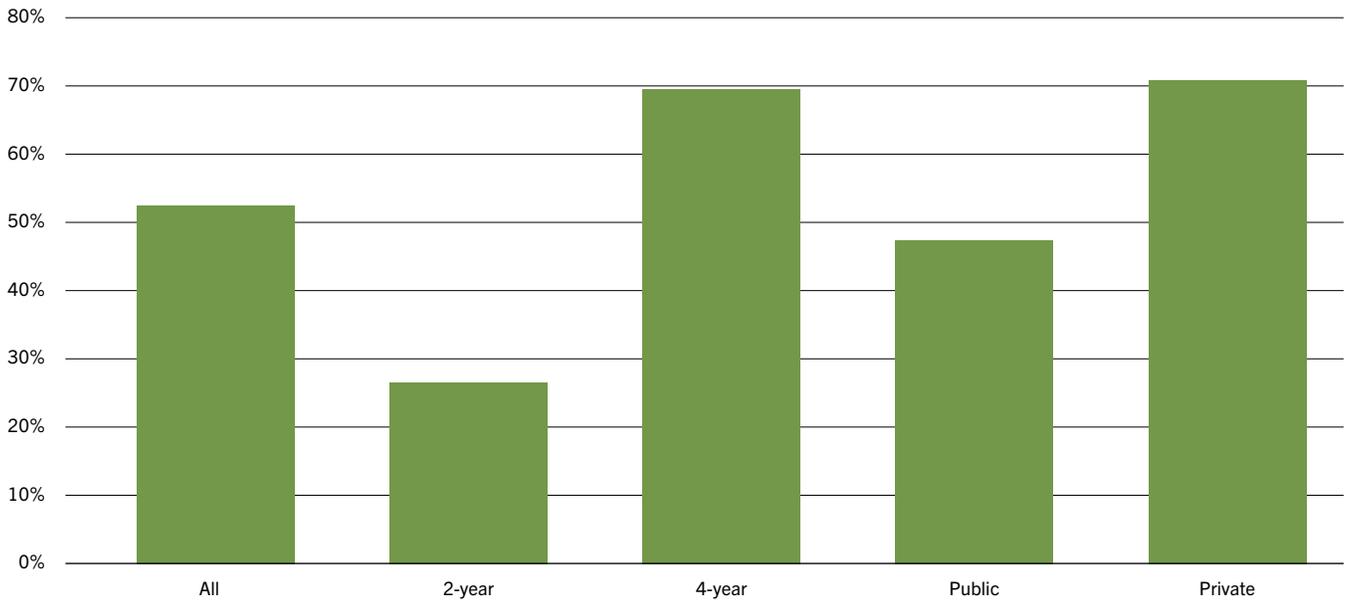
Note: * All students, including degree/certificate- and non-degree/certificate-seeking
 ** Graduation rates are 150% of normal time (up to 6 years for a 4-year degree)

5.19 | COLLEGE COMPLETION RATES BY RACE AND ETHNICITY; OREGON 2- AND 4-YEAR COLLEGES: 2020



Source: National Center for Education Statistics

5.20 | COLLEGE COMPLETION RATES BY TYPE OF INSTITUTION; OREGON: 2020



Source: National Center for Education Statistics

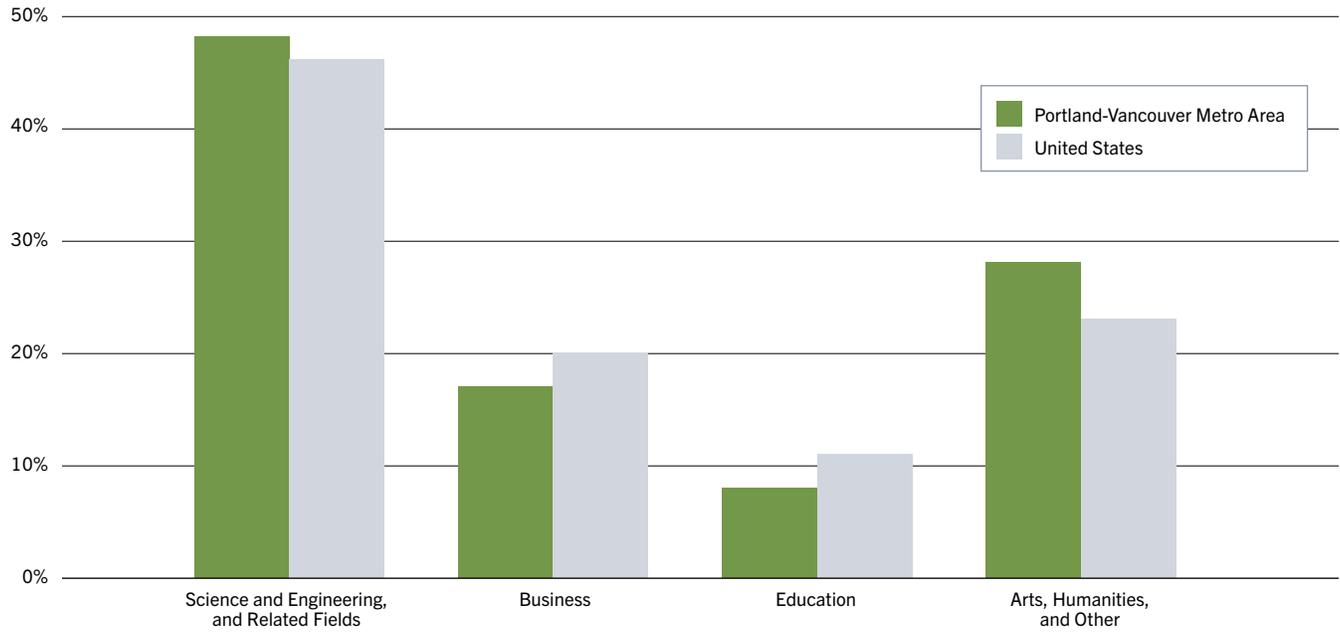
5.21 | FIELDS OF BACHELOR'S DEGREES OF POPULATION 25 AND OLDER: 2021

	Portland-Vancouver Metro Area	United States
Number		
Total, Population 25 Years and Older	771,334	79,903,463
Science and Engineering		
Computers, Mathematics and Statistics	30,805	3,884,674
Biological, Agricultural, and Environmental Sciences	59,173	5,242,512
Physical and Related Sciences	30,022	2,379,473
Psychology	41,584	4,013,393
Social Sciences	68,395	6,074,255
Engineering	67,557	6,395,714
Multidisciplinary Studies	6,202	647,962
Science and Engineering Related Fields	67,183	7,788,597
Business	128,785	16,103,671
Education	58,583	8,941,129
Arts, Humanities, and Other		
Literature and Languages	47,478	3,263,975
Liberal Arts and History	44,726	3,738,057
Visual and Performing Arts	48,069	3,370,726
Communications	33,880	3,231,729
Other	38,892	4,827,596

Percent		
Science and Engineering		
Computers, Mathematics and Statistics	4.0%	4.9%
Biological, Agricultural, and Environmental Sciences	7.7%	6.6%
Physical and Related Sciences	3.9%	3.0%
Psychology	5.4%	5.0%
Social Sciences	8.9%	7.6%
Engineering	8.8%	8.0%
Multidisciplinary Studies	0.8%	0.8%
Science and Engineering Related Fields	8.7%	9.7%
Business	16.7%	20.2%
Education	7.6%	11.2%
Arts, Humanities, and Other		
Literature and Languages	6.2%	4.1%
Liberal Arts and History	5.8%	4.7%
Visual and Performing Arts	6.2%	4.2%
Communications	4.4%	4.0%
Other	5.0%	6.0%

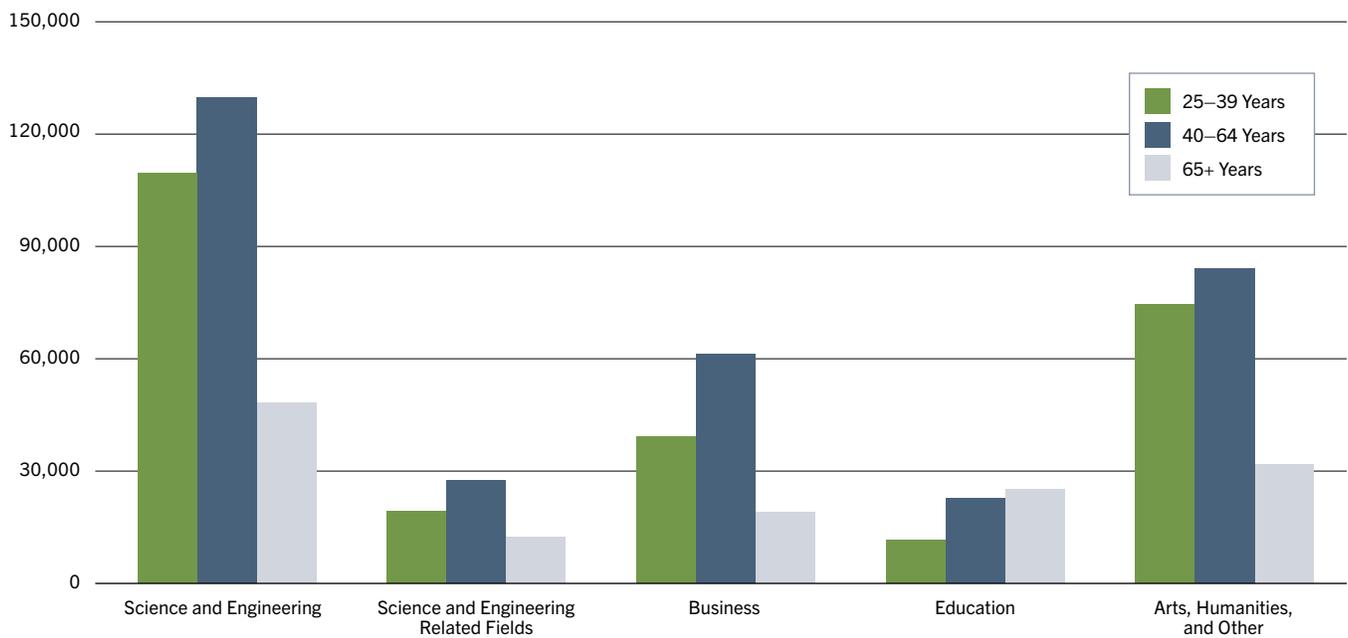
Source: U.S. Census Bureau

5.22 | FIELD OF BACHELOR'S DEGREE, POPULATION 25 AND OLDER: 2019



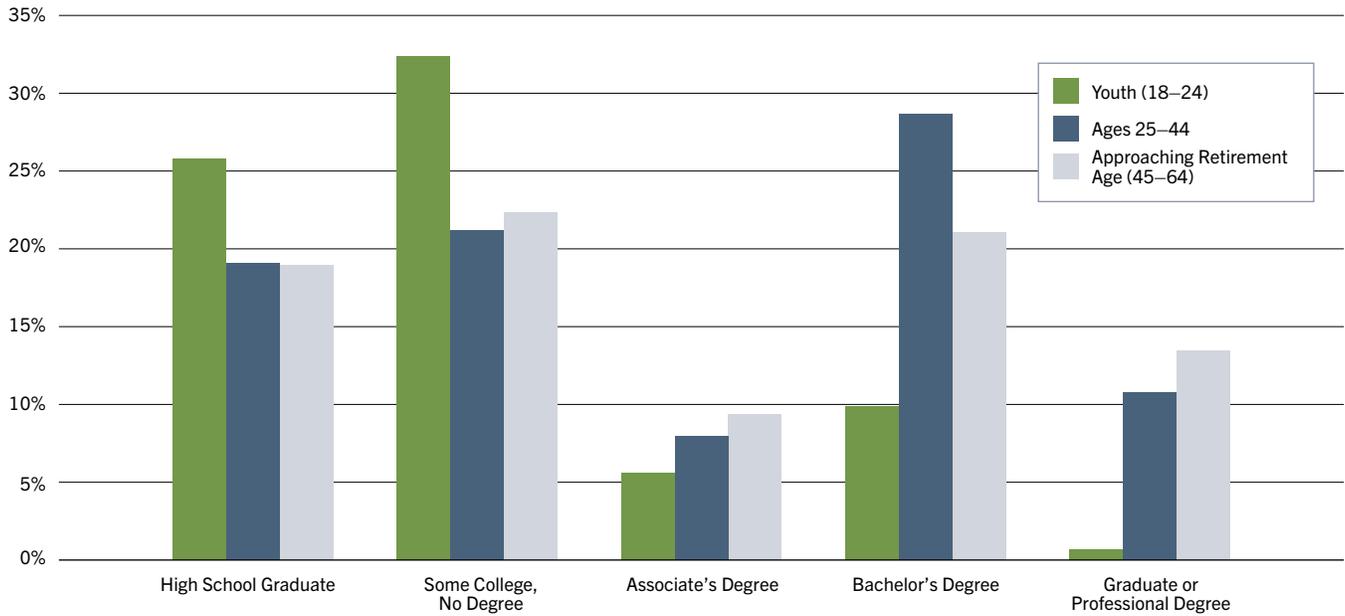
Source: U.S. Census

5.23 | FIELD OF BACHELOR DEGREE BY AGE, PORTLAND-VANCOUVER METRO AREA: 2020



Source: U.S. Census

5.24 | EDUCATION OF YOUTH COMPARED TO OLDER ADULTS; PORTLAND-VANCOUVER METRO AREA: 2020



Source: U.S. Census

5.25 | EDUCATIONAL ATTAINMENT OVER TIME

	Portland-Vancouver Metro Area	
	2000	2020
Less than High School	13.0%	7.6%
High School Diploma	24.3%	20.5%
Some College	27.7%	23.5%
Associate's Degree	7.0%	9.1%
Bachelor's Degree and Above	28.0%	39.3%

Source: U.S. Census, American Community Survey, Table B15002, 5yr. Estimate

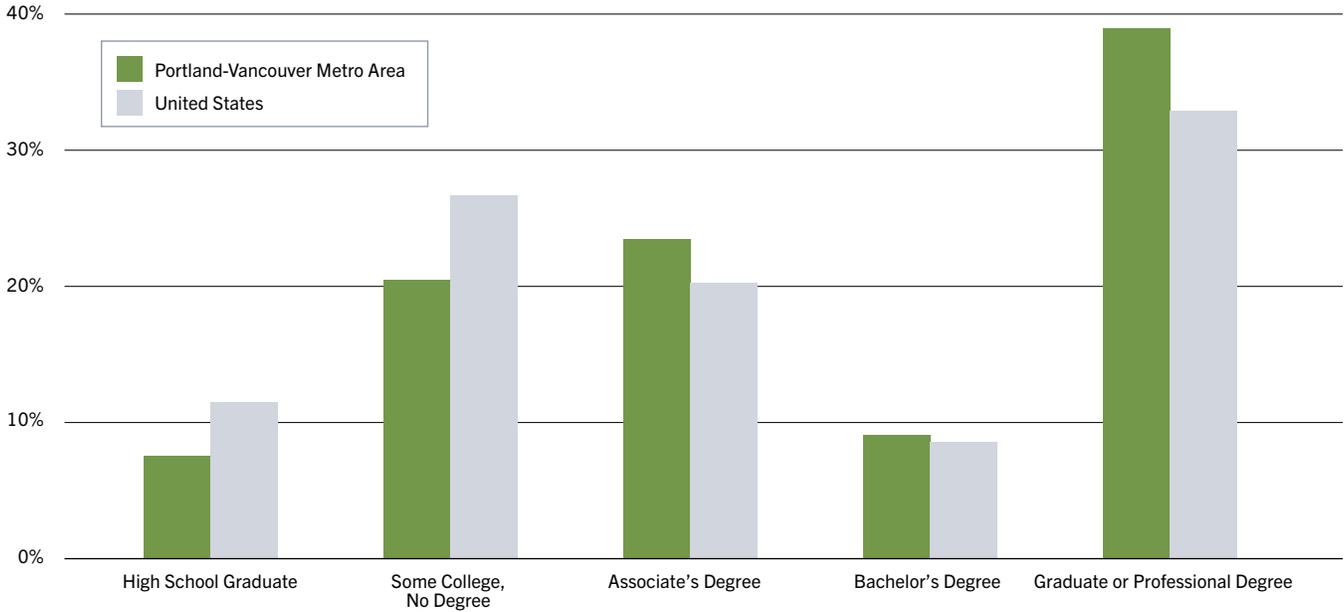
5.26 | EDUCATIONAL ATTAINMENT OVER TIME

2020											
	U.S.	Portland-Vancouver Metro Area	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum
Population 25 yrs. and over	222,836,834	1,825,297	294,509	37,520	594,912	411,099	71,673	327,705	75,530	8,993	3,356
Less than High School	25,562,680	139,168	18,547	3,467	47,744	30,369	7,427	22,986	7,652	730	246
High School Diploma	59,421,419	373,302	62,894	12,429	102,213	71,740	17,443	79,977	22,931	2,723	952
Some College	45,242,162	428,584	72,714	10,908	123,890	88,169	20,546	86,119	22,912	2,345	981
Associate's Degree	19,254,254	165,990	28,456	3,951	44,310	36,139	6,657	35,916	9,211	854	496
Bachelor's Degree	45,034,610	448,625	72,364	4,519	167,571	114,445	12,686	66,597	8,637	1,417	389
Master's Degree	20,210,271	187,430	27,224	1,715	73,999	49,144	4,633	26,698	3,044	720	253
Professional School Degree	4,863,846	47,589	7,291	274	22,941	9,106	1,217	5,958	697	86	19
Doctorate Degree	3,247,592	34,609	5,019	257	12,244	11,987	1,064	3,454	446	118	20

2000											
	U.S.	Portland-Vancouver Metro Area	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum
Population 25 yrs. and over	182,211,639	1,323,341	223,211	28,725	446,322	285,518	52,645	217,293	60,355	6,557	2,715
Less than High School	35,715,625	171,738	24,674	4,149	64,087	31,670	9,064	26,578	10,160	927	429
High School Diploma	52,168,981	321,753	53,824	10,101	102,814	57,379	16,235	58,574	19,760	2,193	873
Some College	38,351,595	366,329	65,811	8,391	115,207	76,994	13,752	66,024	17,396	1,908	846
Associate's Degree	11,512,833	92,417	15,571	2,060	27,386	20,926	2,737	18,120	5,023	428	166
Bachelor's Degree	28,317,792	247,110	42,207	2,825	89,711	67,657	7,042	31,596	5,048	764	260
Master's Degree	10,770,947	84,482	14,293	857	30,394	21,657	2,692	12,274	1,987	234	94
Professional School Degree	3,619,535	27,241	5,178	246	11,675	5,589	676	2,970	804	69	34
Doctorate Degree	1,754,331	12,271	1,653	96	5,048	3,646	447	1,157	177	34	13

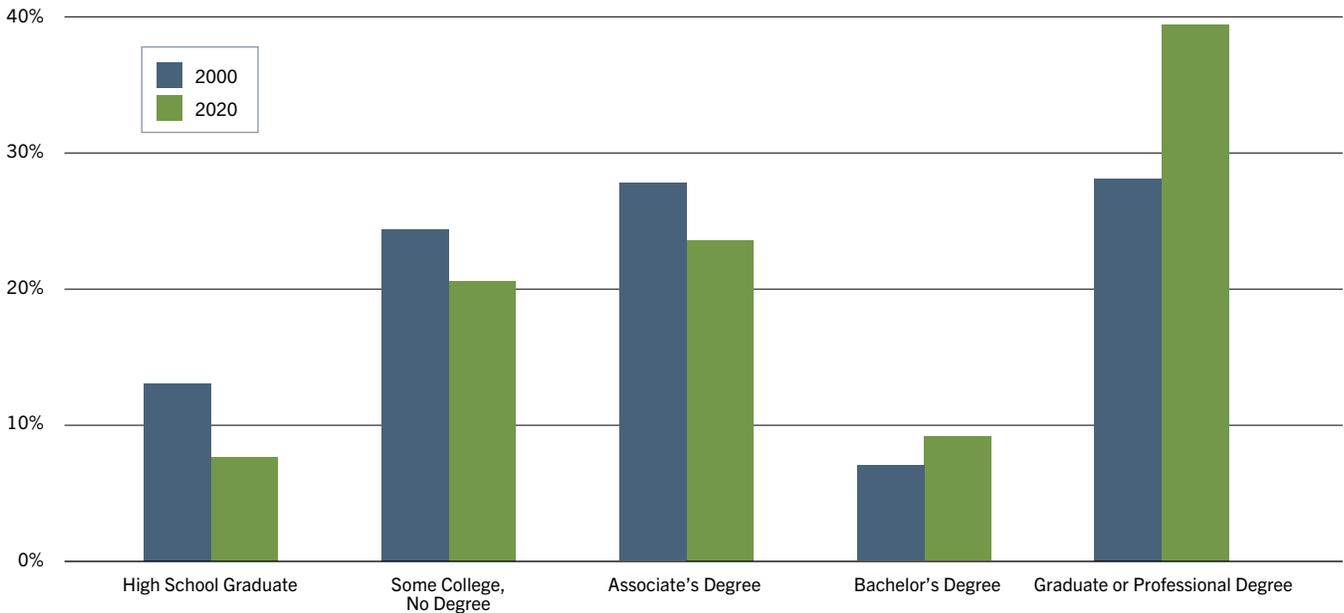
Source: U.S. Census, American Community Survey, Table B15002, 5yr. Estimate

5.27 | POPULATION 25+ BY EDUCATIONAL ATTAINMENT: 2020



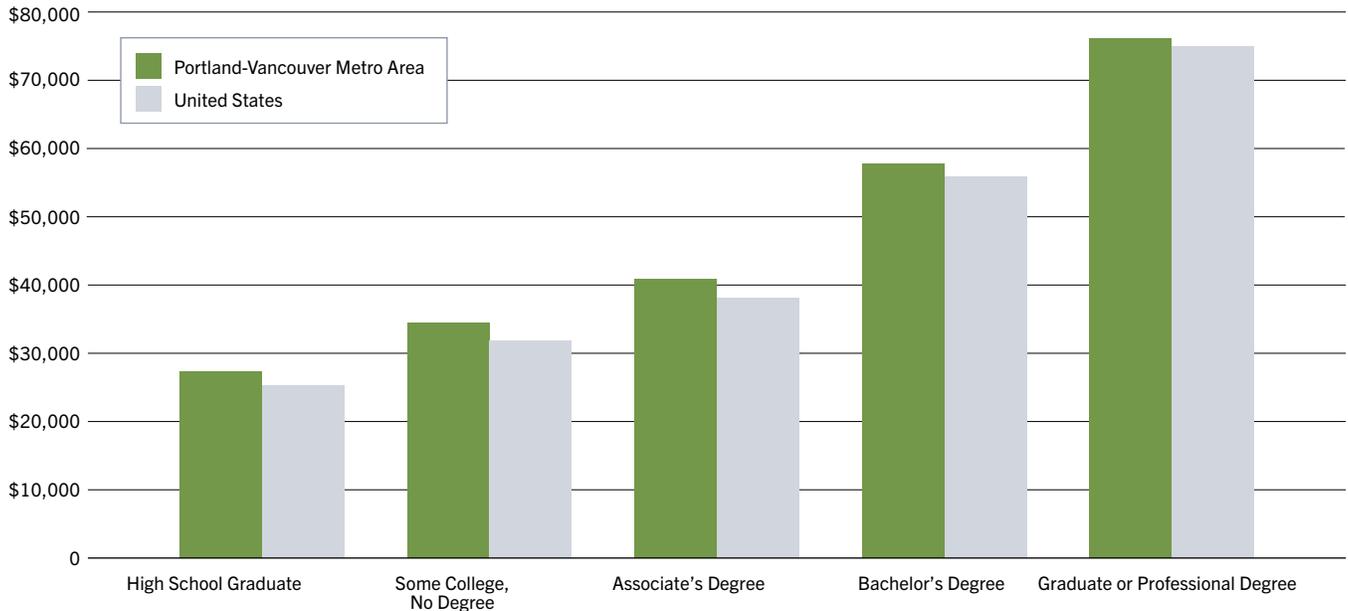
Source: U.S. Census

5.28 | EDUCATIONAL ATTAINMENT: 2000 VS. 2020; PORTLAND-VANCOUVER METRO AREA, POPULATION AGES 25+



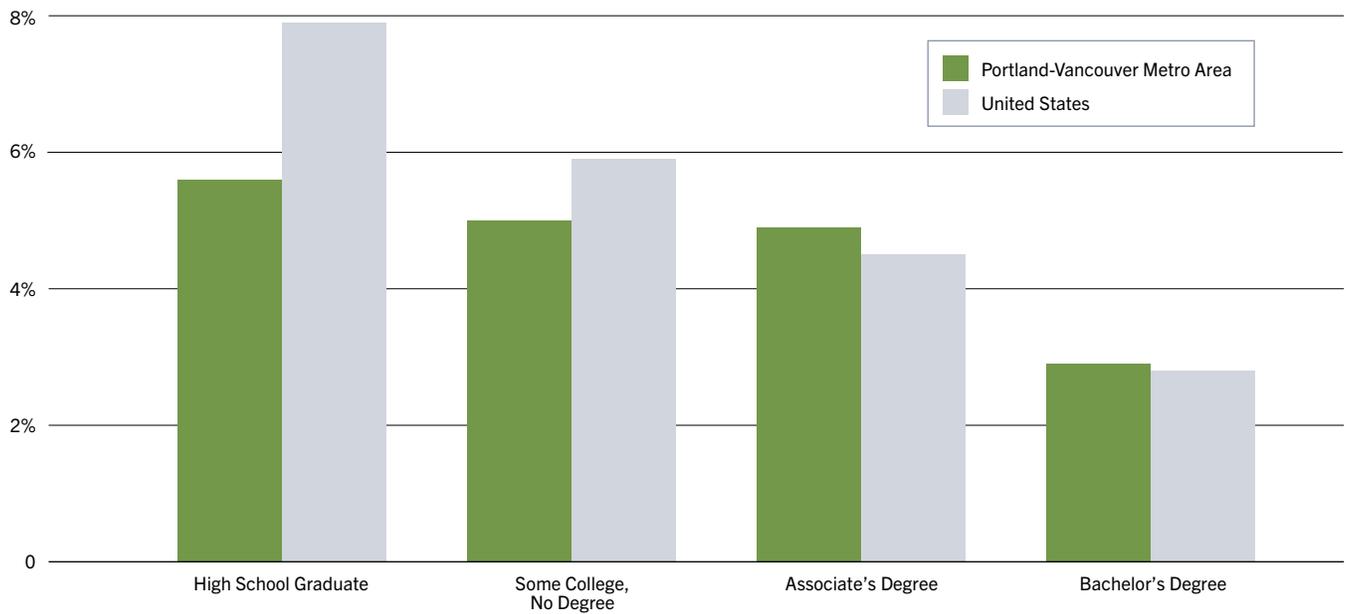
Source: U.S. Census

5.29 | MEDIAN EARNINGS BY EDUCATIONAL ATTAINMENT: 2020



Source: U.S. Census

5.30 | UNEMPLOYMENT RATE BY EDUCATIONAL ATTAINMENT: 2020



Source: U.S. Census

5.31 | ACT WORKKEYS NATIONAL CAREER READINESS CERTIFICATE (NCRC): JANUARY 1, 2012–AUGUST 31, 2022

	Bronze		Silver		Gold		Platinum		NCRC Plus		Total		% of Goal Attained
	#	%	#	%	#	%	#	%	#	%	#	%	
Clackamas	575	14.6%	1957	49.6%	1190	30.1%	226	5.7%	11	0.3%	3948	100.0%	98.0%
Columbia	103	12.3%	435	51.8%	236	28.1%	66	7.9%	+		840	100.0%	81.0%
Multnomah	1211	14.9%	3940	48.6%	2554	31.5%	408	5.0%	53	0.7%	8113	100.0%	60.0%
Washington	831	13.6%	2802	45.8%	2122	34.7%	365	6.0%	186	3.0%	6120	100.0%	60.0%
Yamhill	250	15.5%	755	46.9%	462	28.7%	143	8.9%	36	2.2%	1610	100.0%	90.0%
Clark*	72	12.2%	254	43.1%	197	33.4%	66	11.2%		0.0%	589	100.0%	*
Cowlitz	32	3.4%	365	39.3%	385	41.4%	147	15.8%		0.0%	929	100.0%	48.0%
Skamania*	+		9	60.0%	+		+			0.0%	15	100.0%	*
Wahkiakum*	0	0.0%	+		+		+			0.0%	8	100.0%	*
TOTAL	3074	13.9%	10517	47.4%	7146	32.2%	1421	6.4%	286	1.3%	22172	100.0%	

Source: ACT Work Ready Communities

* Not yet fully participating
+ Less than 4

5.32 | CERTIFIED H-1B VISAS BY OCCUPATION GROUP, FISCAL YEAR 2021, PORTLAND-VANCOUVER METRO AREA

Occupational Group	Number	%
Computer and Mathematical Occupations	6,596	71.9%
Architecture and Engineering Occupations	1,690	18.4%
Management Occupations	428	4.7%
Business and Financial Operations Occupations	163	1.8%
Healthcare Practitioners and Technical Occupations	97	1.1%
Life, Physical, and Social Science Occupations	91	1.0%
All Other Occupational Groups	115	1.3%

Source: U.S. Department of Labor

The number of visas includes new, renewed, and transferred
A new visa is needed if the foreigner worker changes location (metro area)

5.33 | H-1B VISAS BY OCCUPATIONAL GROUP, PORTLAND-VANCOUVER METRO AREA: 2021



Source: U.S. Department of Labor

SOCIO-ECONOMIC WELLBEING

6.1 | POVERTY STATUS: INDIVIDUALS

	All Ages				Under 18			
	2011–2015		2016–2020		2011–2015		2016–2020	
	#	%	#	%	#	%	#	%
Clackamas	36,894	9.50%	30,811	7.5%	10,328	12.0%	6,242	7.1%
Columbia	6,638	13.60%	5,135	10.0%	2,107	19.3%	1,254	11.7%
Multnomah	136,472	18.10%	104,861	13.2%	35,299	23.6%	24,990	16.8%
Washington	64,861	11.80%	49,871	8.5%	20,981	15.6%	13,932	10.4%
Yamhill	15,877	16.60%	11,905	11.8%	5,653	24.3%	3,773	16.3%
Clark	49,314	11.20%	43,190	9.1%	16,034	14.4%	12,671	11.2%
Cowlitz	17,609	17.50%	14,155	13.3%	5,640	24.2%	3,954	16.5%
Skamania	1,526	13.70%	1,271	10.8%	336	14.4%	341	15.9%
Wahkiakum	674	17.10%	387	9.1%	152	25.0%	18	2.4%
Portland-Vancouver Metro Area	329,865	13.8%	261,586	10.3%	96,530	17.8%	67,175	12.3%
United States	47,749,043	15.5%	40,910,326	12.8%	15,760,766	21.7%	12,598,699	17.5%

Source: U.S.Census, American Community Survey, Table S1701, 5-yr estimates

6.2 | HOUSEHOLDS ON PUBLIC ASSISTANCE

	2011–2015				2016–2020			
	Households on Public Assistance	Total # of Households	% of all Households on PA	Public Assistance per Household	Households on Public Assistance	Total # of Households	% of all Households on PA	Public Assistance per Household
Clackamas	4,246	149,522	2.8%	\$3,297	4,702	159,330	3.0%	\$3,230
Columbia	523	18,785	2.8%	\$4,312	792	19,872	4.0%	\$3,725
Multnomah	13,885	310,669	4.5%	\$3,632	16,542	334,849	4.9%	\$3,251
Washington	6,035	206,426	2.9%	\$3,413	6,113	223,040	2.7%	\$3,334
Yamhill	1,594	34,425	4.6%	\$3,481	1,163	37,542	3.1%	\$2,498
Clark	6,748	162,441	4.2%	\$3,235	5,821	178,478	3.3%	\$2,760
Cowlitz	2,262	39,763	5.7%	\$2,862	2,068	42,354	4.9%	\$2,494
Skamania	142	4,495	3.2%	\$3,209	136	4,866	2.8%	\$4,864
Wahkiakum	59	1,716	3.4%	\$1,566	37	1,900	1.9%	\$2,027
Portland-Vancouver Metro Area	35,494	928,242	3.8%	\$3,428	37,374	1,002,231	3.7%	\$3,135
United States	3,223,786	116,926,305	2.8%	\$3,490	2,995,159	122,354,219	2.4%	\$3,271

Source: U.S.Census, American Community Survey, Table B19057, 5-yr estimates

6.3 | HOUSEHOLDS WITH FOOD STAMPS/SNAP BENEFITS (SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM)

	2011–2015		2016–2020	
	Households	% of All Households	Households	% of All Households
Clackamas	19,276	12.9%	15,263	9.6%
Columbia	3,517	18.7%	3,537	17.8%
Multnomah	62,925	20.3%	47,839	14.3%
Washington	26,800	13.0%	19,583	8.8%
Yamhill	6,758	19.6%	6,030	16.1%
Clark	25,998	16.0%	19,821	11.1%
Cowlitz	8,978	22.6%	8,418	19.9%
Skamania	704	15.7%	592	12.2%
Wahkiakum	299	17.4%	218	11.5%
Portland-Vancouver Metro Area	155,255	16.7%	121,301	12.1%
United States	15,399,651	13.2%	13,892,407	11.4%

Source: U.S.Census, American Community Survey, Table S2201, 5-yr estimates

6.4 | WORKING POOR: 2020

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland-Vancouver Metro Area	United States
Full-time, Year-round Workers with Earnings	141,103	15,148	285,076	209,723	31,331	152,372	28,941	3,347	973	868,014	108,090,821
In Poverty	2,462	201	7,361	4,289	865	2,181	801	55	11	18,226	3,020,827
Percent of Full-time, Year-round Workers Living in Poverty	1.7%	1.3%	2.6%	2.0%	2.8%	1.4%	2.8%	1.6%	1.1%	2.1%	2.8%

Source: US Census, American Community Survey, Table S1701, 5-yr estimates

6.5 | PEOPLE IN SUBSIDIZED HOUSING

	2011				2021			
	People Per unit	People in Subsidized Housing	Total Population	% in Subsidized Housing	People Per unit	People in Subsidized Housing	Total Population	% in Subsidized Housing
Clackamas	1.5	11,505	378,480	3.0%	1.8	10,728	425,316	2.5%
Columbia	1.6	2,300	49,625	4.6%	1.5	2,010	53,014	3.8%
Multnomah	1.3	57,033	741,925	7.7%	1.8	59,524	820,672	7.3%
Washington	1.4	16,100	536,370	3.0%	1.8	15,548	605,036	2.6%
Yamhill	2.1	7,022	99,850	7.0%	1.7	2,872	108,261	2.7%
Clark	1.4	16,006	428,000	3.7%	1.8	16,632	513,100	3.2%
Cowlitz	1.4	5,853	102,700	5.7%	1.6	5,474	111,500	4.9%
Skamania	1.8	520	11,150	4.7%	1.5	514	11,750	4.4%
Wahkiakum	1.5	177	4,000	4.4%	1.3	98	4,475	2.2%
Total	1.4	121,396	2,352,100	5.2%	1.8	113,400	2,653,124	4.3%

Source: U.S. Department of Housing and Urban Development



COMMUTING

7.1 | NET COMMUTING: 2019

	Total Resident Workers	Out Commuting	% Out Commuting	Total County Jobs	In Commuting	% In Commuting	Net Gain
Clackamas	198,752	128,776	65%	173,259	103,283	60%	(25,493)
Columbia	25,052	18,484	74%	11,257	4,689	42%	(13,795)
Multnomah	401,334	137,905	34%	533,616	270,187	51%	132,282
Washington	296,938	135,671	46%	313,542	152,275	49%	16,604
Yamhill	47,289	27,215	58%	36,539	16,465	45%	(10,750)
Clark	223,862	109,180	49%	162,390	47,708	29%	(61,472)
Cowlitz	52,364	29,033	55%	38,442	15,111	39%	(13,922)
Skamania	5,674	4,421	78%	2,210	957	43%	(3,464)
Wahkiakum	1,602	1,174	73%	738	310	42%	(864)

Source: U.S. Census Bureau, American Community Survey, Table B08007, 5-yr. estimates



7.2 | MEANS OF TRANSPORTATION TO WORK, 2020

NUMBER								
	Workers 16 years and older	Drove alone	Carpooled	Public transportation	Walked	Other means	Worked from home	Mean travel time to work (minutes)
United States	153,665,654	115,127,720	13,605,122	7,044,886	3,954,692	2,780,139	11,153,095	26.9
Oregon	1,976,256	1,393,173	185,665	79,221	70,406	61,787	186,004	23.9
Portland-Vancouver Metro Area	1,296,494	895,670	114,492	72,638	41,704	39,775	132,215	26.9
Clackamas	202,002	150,031	17,238	5,707	4,503	3,511	21,012	28.8
Columbia*	22,805	17,754	2,680	112	453	311	1,495	34.7
Multnomah	436,950	255,691	37,335	45,155	21,907	25,727	51,135	26.7
Washington	309,437	220,586	28,402	16,834	7,625	4,946	31,044	25.3
Yamhill	47,890	35,799	4,577	223	2,631	1,250	3,410	26.2
Clark	226,781	174,115	19,752	4,429	3,413	3,522	21,550	27.4
Cowlitz	44,055	36,424	4,108	162	914	467	1,980	25.7
Skamania	5,223	4,261	291	5	173	20	473	29.4
Wahkiakum	1,351	1,009	109	11	85	21	116	40.8

PERCENT							
	Workers 16 years and older	Drove alone	Carpooled	Public transportation	Walked	Other means	Worked from home
United States	100.0%	74.9%	8.9%	4.6%	2.6%	1.8%	7.3%
Oregon	100.0%	70.5%	9.4%	4.0%	3.6%	3.1%	9.4%
Portland-Vancouver Metro Area	100.0%	69.1%	8.8%	5.6%	3.2%	3.1%	10.2%
Clackamas	100.0%	74.3%	8.5%	2.8%	2.2%	1.7%	10.4%
Columbia*	100.0%	77.9%	11.8%	0.5%	2.0%	1.4%	6.6%
Multnomah	100.0%	58.5%	8.5%	10.3%	5.0%	5.9%	11.7%
Washington	100.0%	71.3%	9.2%	5.4%	2.5%	1.6%	10.0%
Yamhill	100.0%	74.8%	9.6%	0.5%	5.5%	2.6%	7.1%
Clark	100.0%	76.8%	8.7%	2.0%	1.5%	1.6%	9.5%
Cowlitz	100.0%	82.7%	9.3%	0.4%	2.1%	1.1%	4.5%
Skamania	100.0%	81.6%	5.6%	0.1%	3.3%	0.4%	9.1%
Wahkiakum	100.0%	74.7%	8.1%	0.8%	6.3%	1.6%	8.6%

Source: US Census, American Community Survey, Table DP03, 5-yr. estimates

7.3 | COUNTY BY COUNTY COMMUTING PATTERNS (TOP 5 FOR EACH), 2019

Clackamas County Residents Commuting to:	Count
Multnomah County	71,539
Clackamas County	69,976
Washington County	32,846
Marion County	8,570
Clark County	2,768

Columbia County Residents Commuting to:	Count
Multnomah County	7,128
Columbia County	6,568
Washington County	4,680
Clackamas County	1,299
Marion County	973

Multnomah County Residents Commuting to:	Count
Multnomah County	263,429
Washington County	55,481
Clackamas County	40,056
Clark County	11,407
Marion County	7,499

Washington County Residents Commuting to:	Count
Washington County	161,267
Multnomah County	80,947
Clackamas County	24,730
Marion County	7,671
Yamhill County	3,890

Yamhill County Residents Commuting to:	Count
Yamhill County	20,074
Washington County	10,139
Marion County	4,478
Multnomah County	4,002
Clackamas County	2,947

Clark County Residents Commuting to:	Count
Clark County	114,682
Multnomah County	49,817
King County	13,005
Washington County	10,558
Clackamas County	7,039

Cowlitz County Residents Commuting to:	Count
Cowlitz County	23,331
Clark County	7,781
King County	3,819
Multnomah County	3,430
Peirce County	2,314

Skamania County Residents Commuting to:	Count
Skamania County	1,253
Clark County	954
Multnomah County	662
Klickitat County	386
Hood River County	383

Wahkiakum County Residents Commuting to:	Count
Wahkiakum County	428
Cowlitz County	243
Clark County	123
King County	119
Multnomah County	94

Source: U.S. Census, Longitudinal Employer-Household Dynamics

JOBS AND INDUSTRIES

8.1 | LARGEST EMPLOYERS IN THE PORTLAND METROPOLITAN AREA (RANKED BY NUMBER OF LOCAL EMPLOYEES)

Rank	Company	Number of Local Employees	Local County
1	Intel Corp	21,000	Washington
2	Providence Health & Services	21,000	var.
3	Oregon Health and Science University	18,048	Multnomah
4	Nike Inc.	13,964	Washington
5	Legacy Health System	13,120	var.
6	Kaiser Permanente Northwest	11,163	var.
7	Fred Meyer Stores	9,525	var.
8	Portland Public Schools**	6,847	Multnomah
9	City of Portland**	6,635	Multnomah
10	Multnomah County**	5,096	Multnomah
11	U.S. Department of Veterans Affairs**	4,783	Multnomah
12	Beaverton School District**	4,606	Washington
13	Walmart	4,500	var.
14	PeaceHealth Southwest Washington Medical Center**	4,482	Clark
15	Vancouver Public Schools	4,347	Clark
16	U.S. Postal Service**	3,717	var.
17	Wells Fargo	3,500	var.
18	Portland Community College	3,397	Multnomah
19	Portland State University	3,136	Multnomah
20	TriMet	3,117	Multnomah
21	U.S. Bank	3,104	var.
22	Portland General Electric	2,870	Multnomah
23	Precision Castparts	2,500	Clackamas and Multnomah
24	Oregon Department of Human Services**	2,448	var.
25	Bonneville Power Administration*	2,313	Multnomah
26	Clackamas County**	2,291	Clackamas
27	Hillsboro School District**	2,282	Washington
28	Washington County**	2,175	Washington
29	Daimler Trucks North America**	2,159	Multnomah

Rank	Company	Number of Local Employees	Local County
30	Cambia Health Solutions	2,138	Clark
31	The Standard	2,131	Multnomah
32	North Clackamas Schools**	2,001	Clackamas
33	Columbia Sportswear Co.	2,000	Washington
34	Jacobs	1,938	Multnomah
35	Adventist Health Portland	1,876	var.
36	Fisher Investments	1,753	Clark
37	adidas America Inc.**	1,751	Multnomah
38	ilani**	1,725	Clark
39	Umpqua Bank	1,719	var.
40	KinderCare Education**	1,500	var.
41	Mount Hood Community College	1,452	
42	David Douglas School District**	1,390	Multnomah
43	Moda Center	1,300	Multnomah
44	Tigard-Tualatin School District**	1,247	Washington
45	Gresham-Barlow School District**	1,200	Multnomah
46	Reynolds School District**	1,198	Multnomah
47	Northwest Natural	1,190	var.
48	Gee Automotive Companies	1,162	var.
49	West Linn-Wilsonville School District**	1,158	Clackamas
50	The DPI Group	1,157	Multnomah
51	Moda	1,142	Multnomah
52	University of Portland	1,100	Multnomah
53	Lewis and Clark College	1,092	Multnomah
54	Thermo Fisher Scientific Inc.**	1,062	Washington
55	City of Hillsboro**	1,060	Washington
56	Metro	1,048	Multnomah
57	Oregon City School District**	1,041	Clackamas
58	Siemens EDA	1,000	var.

Source: Portland Business Journal, September 2021

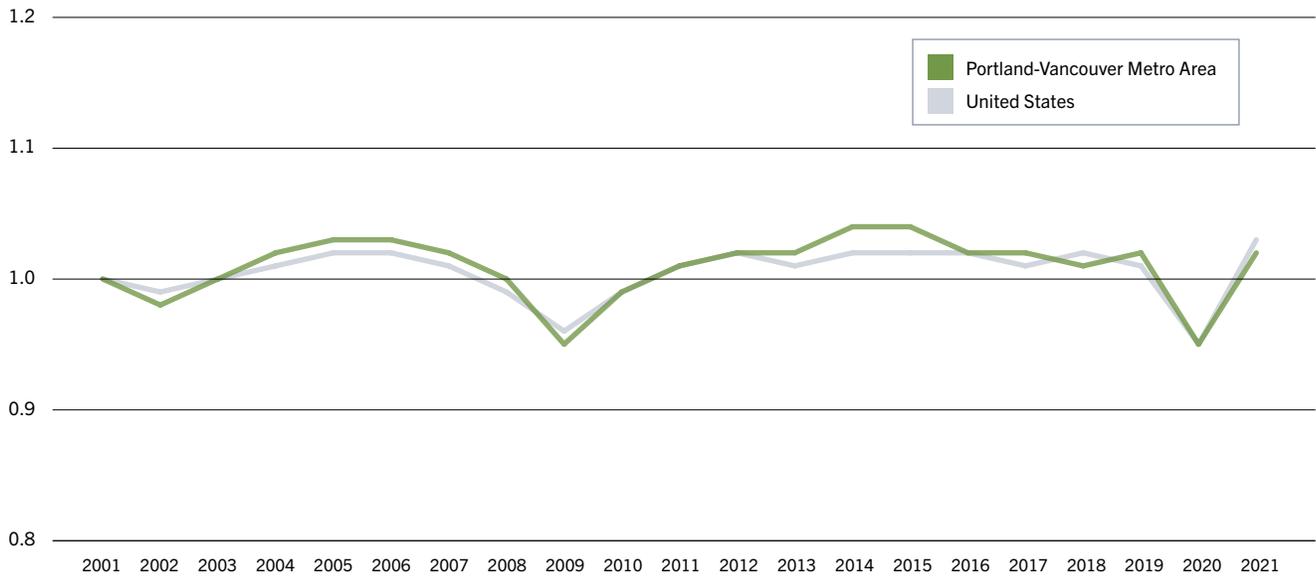
Note: **2020 employment

8.2 | TOTAL EMPLOYMENT: 2011 AND 2021

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland-Vancouver Metro Area
2011	160,931	11,909	490,856	272,129	38,183	150,494	39,805	2,570	952	1,167,829
2021	189,424	13,531	545,930	323,911	44,480	193,005	44,289	2,410	1,270	1,353,249
2011–2021 Change (#)	28,493	1,622	55,074	51,782	6,297	42,511	4,484	-160	318	190,420
2011–2021 Change (%)	17.7%	13.6%	11.2%	19.0%	16.5%	28.2%	11.3%	-6.2%	33.4%	16.3%
2011 Share of Employment	13.8%	1.0%	42.0%	23.3%	3.3%	12.9%	3.4%	0.2%	0.1%	100.0%
2021 Share of Employment	13.9%	1.0%	40.2%	23.8%	3.3%	14.2%	3.3%	0.2%	0.1%	100.0%

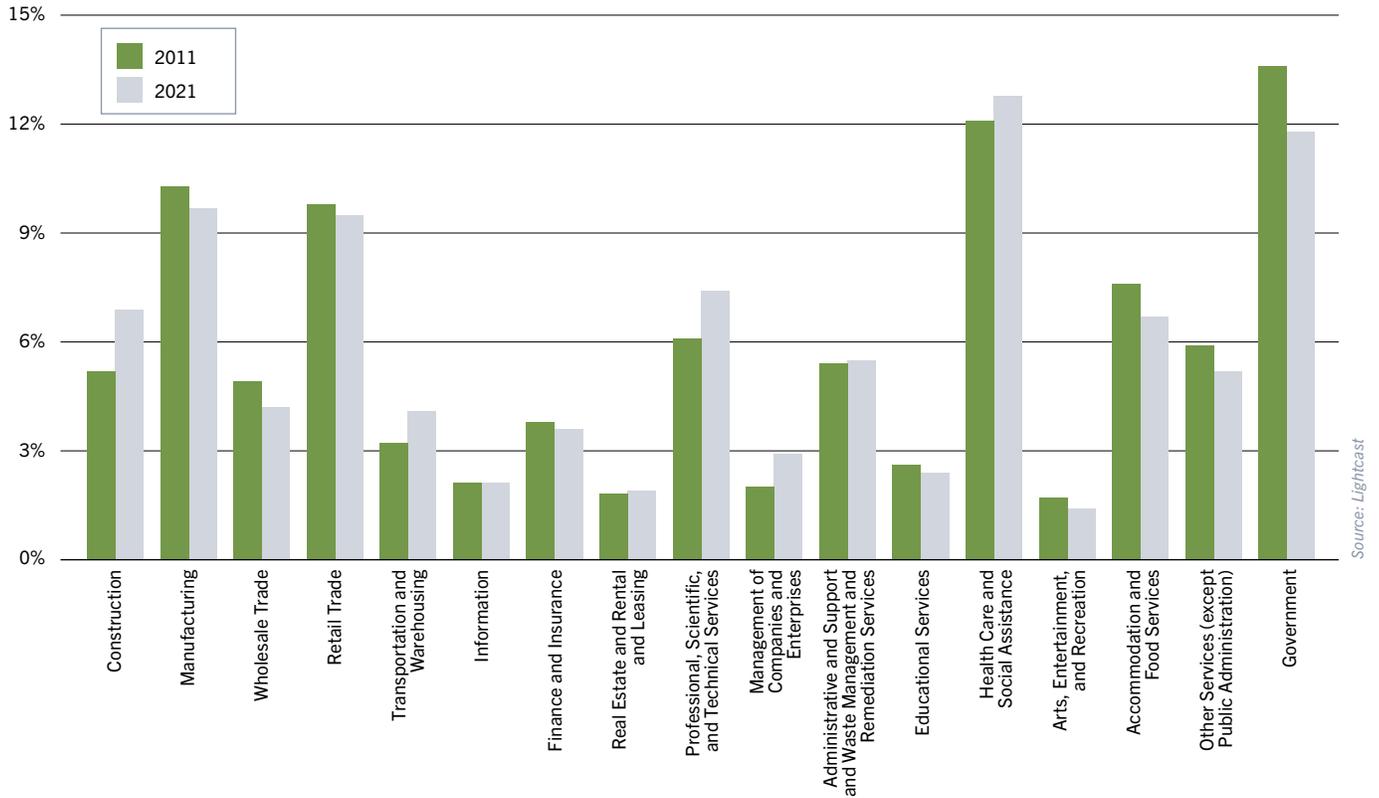
Source: Lightcast

8.3 | TOTAL EMPLOYMENT: PORTLAND-VANCOUVER METRO AREA AND U.S.: 2011–2021 (2011 INDEXED TO 1)



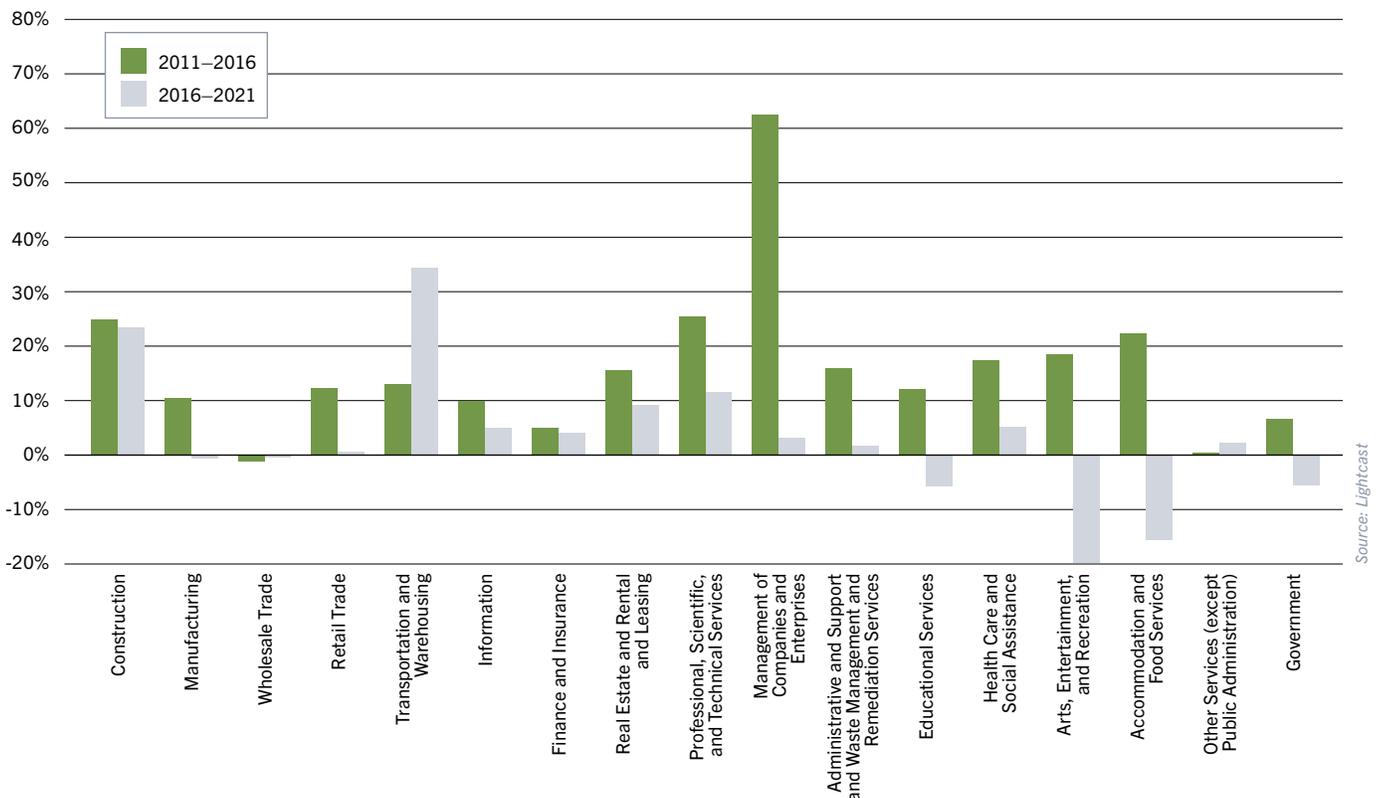
Source: Lightcast

8.4 | DISTRIBUTION OF EMPLOYMENT BY BROAD INDUSTRY : PORTLAND-VANCOUVER METRO AREA, 2011 VS. 2021



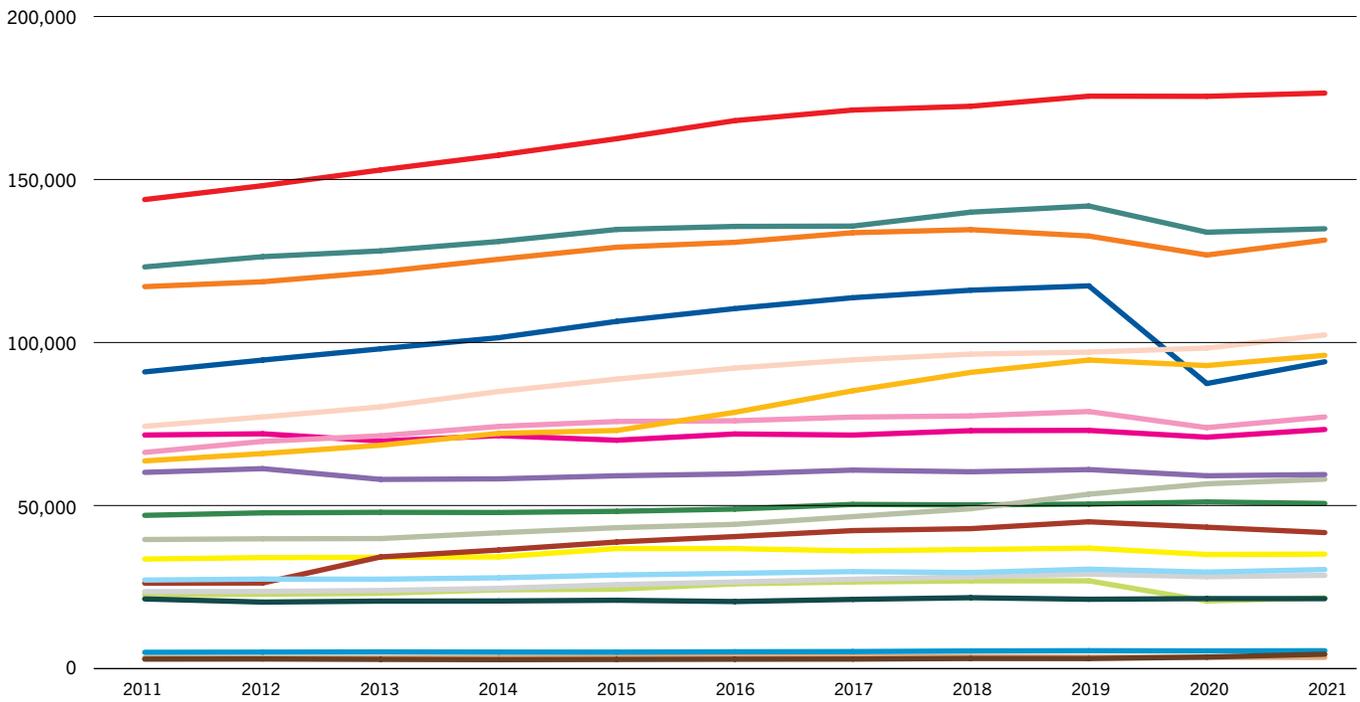
Source: Lightcast

8.5 | EMPLOYMENT GROWTH BY BROAD INDUSTRY, PORTLAND-VANCOUVER METRO AREA: 2011–2021



Source: Lightcast

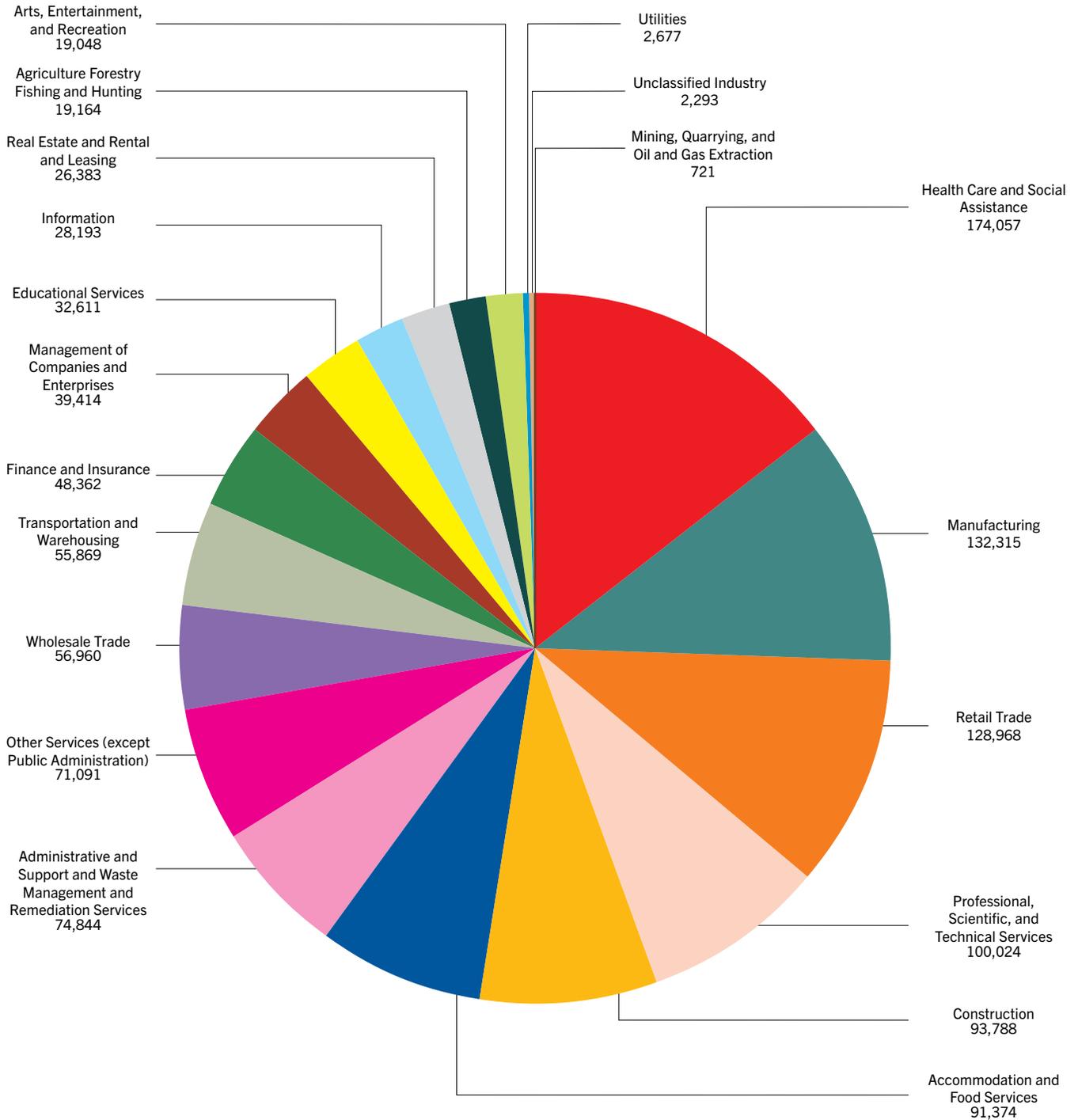
8.6 | EMPLOYMENT BY INDUSTRY, PORTLAND-VANCOUVER METRO AREA: 2011–2021 (PRIVATE SECTOR)



Source: Lightcast

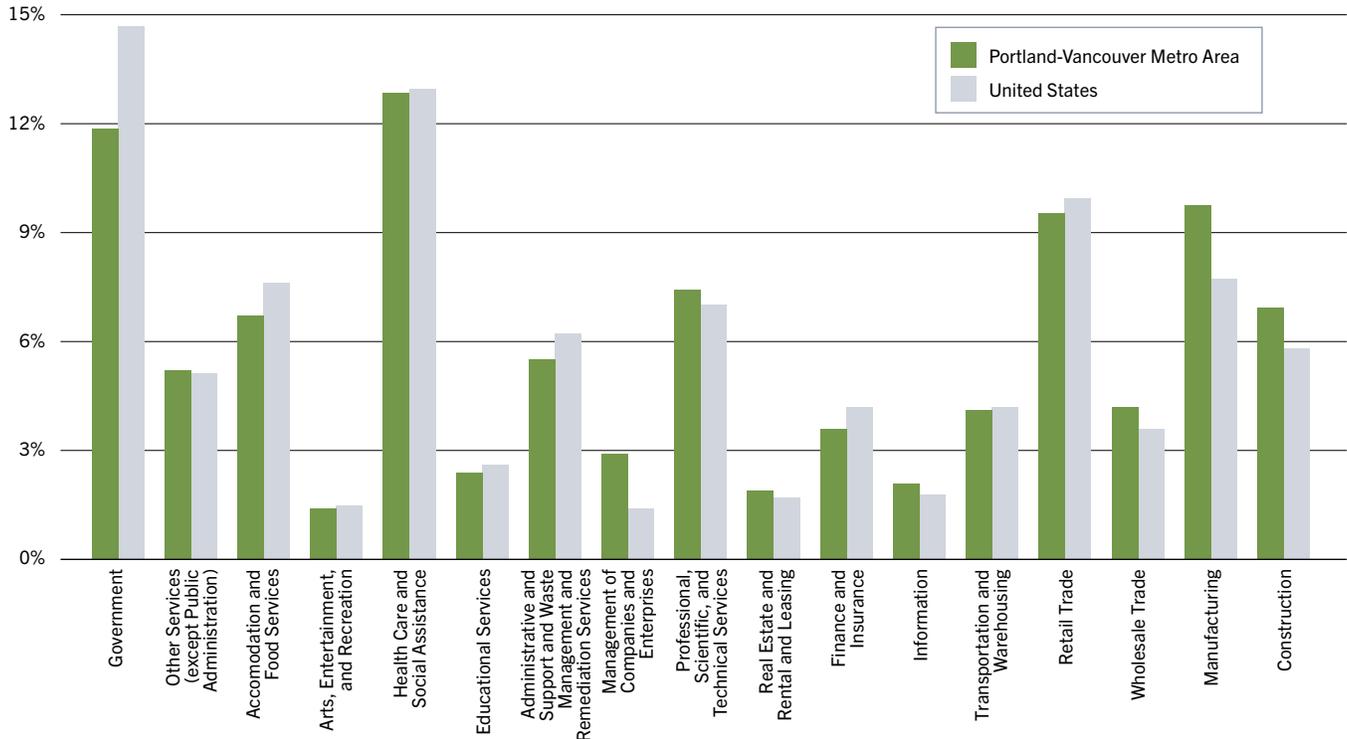
- Agriculture Forestry Fishing and Hunting
- Mining Quarrying and Oil and Gas Extraction
- Utilities
- Construction
- Manufacturing
- Wholesale Trade
- Retail Trade
- Transportation and Warehousing
- Information
- Finance and Insurance
- Real Estate and Rental and Leasing
- Professional Scientific and Technical Services
- Management of Companies and Enterprises
- Administrative and Support and Waste Management and Remediation Services
- Educational Services
- Health Care and Social Assistance
- Arts Entertainment and Recreation
- Accommodation and Food Services
- Other Services (except Public Administration)
- Unclassified Industry

8.7 | EMPLOYMENT BY INDUSTRY, PORTLAND-VANCOUVER METRO AREA: 2011–2021 (PRIVATE SECTOR)



Source: Lightcast

8.8 | SHARE OF EMPLOYMENT BY INDUSTRY, PORTLAND-VANCOUVER METRO AREA TO U.S.: 2021



Source: Lightcast

8.9 | PORTLAND-VANCOUVER METRO AREA'S COVERED EMPLOYMENT PAYROLL AND AVERAGE PAY: 2021

	Employment	Payroll (000s)	Establishments	Average Annual Wage
Total Covered Employment				
Private	1,195,861	\$96,457,240,189	98,056	\$80,659
Natural Resource and Mining	19,884	\$1,167,689,975	1,258	\$58,724
Construction	93,788	\$8,023,297,996	9,028	\$85,547
Manufacturing	132,315	\$14,208,348,644	4,051	\$107,382
Trade, Transportation, and Utilities	244,473	\$16,901,970,626	15,593	\$69,136
Information	28,193	\$3,713,249,035	3,447	\$131,710
Financial Activities	74,745	\$8,175,454,834	8,284	\$109,378
Professional and Business Services	214,282	\$23,402,970,091	19,382	\$109,216
Education and Health Services	206,667	\$14,078,568,526	19,499	\$68,122
Leisure and Hospitality	110,422	\$3,811,644,281	7,963	\$34,519
Other Services	71,091	\$2,974,046,180	9,553	\$41,835
Government	160,096	\$16,243,213	1,790	\$101,459
Federal	25,593	\$2,697,587	263	\$105,402
State	13,621	\$1,320,770	265	\$96,969
Local	120,882	\$12,224,855	1,262	\$101,130

Source: Lightcast

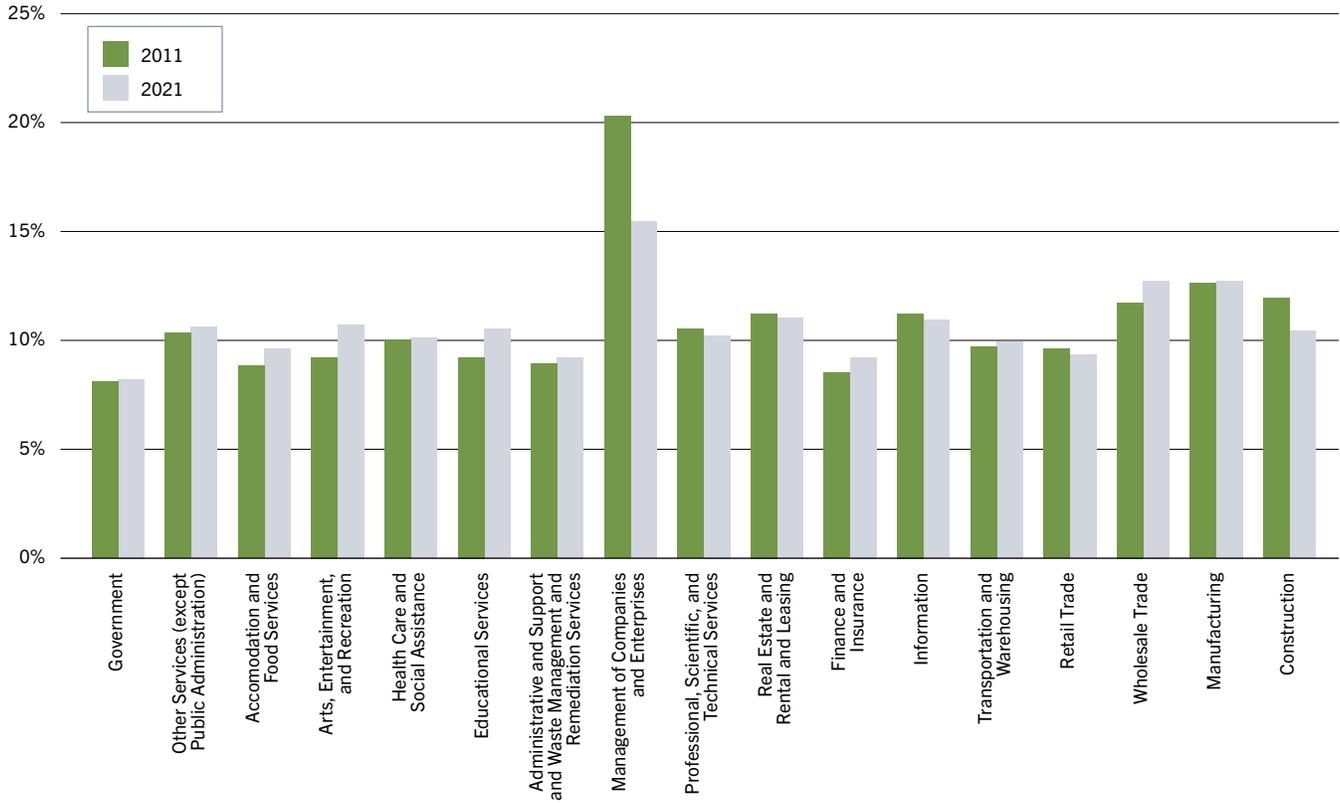
8.10 | LOCATION QUOTIENTS PORTLAND-VANCOUVER METRO AREA

	Location Quotient		2011 Share of Employment		2021 Share of Employment	
	2011	2021	Portland-Vancouver Metro Area	United States	Portland-Vancouver Metro Area	United States
Government	0.81	0.82	13.6%	16.5%	11.8%	14.6%
Other Services (except Public Administration)	1.03	1.06	5.9%	5.6%	5.2%	5.1%
Accommodation and Food Services	0.88	0.96	7.6%	7.9%	6.7%	7.6%
Arts, Entertainment, and Recreation	0.92	1.07	1.7%	1.6%	1.4%	1.5%
Health Care and Social Assistance	1.00	1.01	12.1%	11.9%	12.8%	12.9%
Educational Services	0.92	1.05	2.6%	2.5%	2.4%	2.6%
Administrative and Support and Waste Management and Remediation Services	0.89	0.92	5.4%	5.9%	5.5%	6.2%
Management of Companies and Enterprises	2.02	1.54	2.0%	1.3%	2.9%	1.4%
Professional, Scientific, and Technical Services	1.05	1.02	6.1%	6.0%	7.4%	7.0%
Real Estate and Rental and Leasing	1.12	1.10	1.8%	1.6%	1.9%	1.7%
Finance and Insurance	0.85	0.92	3.8%	4.1%	3.6%	4.2%
Information	1.12	1.09	2.1%	1.9%	2.1%	1.8%
Transportation and Warehousing	0.97	0.99	3.2%	3.2%	4.1%	4.2%
Retail Trade	0.96	0.93	9.8%	10.5%	9.5%	9.9%
Wholesale Trade	1.17	1.27	4.9%	3.9%	4.2%	3.6%
Manufacturing	1.26	1.27	10.3%	8.1%	9.7%	7.7%
Construction	1.19	1.04	5.2%	5.0%	6.9%	5.8%

Source: Lightcast



8.11 | LOCATION QUOTIENTS, PORTLAND-VANCOUVER METRO AREA: 2011 AND 2021



Source: Lightcast



8.12 | PORTLAND-VANCOUVER METRO AREA FORECASTED EMPLOYMENT GROWTH MAJOR INDUSTRY: 2021–2031

	Employment		Change	
	2021	2031	#	%
Total employment	1,358,249	1,497,606	139,356	10.3%
Total private	1,198,154	1,327,578	129,424	10.8%
Natural Resources and Mining	19,884	21,825	1,941	9.8%
Construction	93,788	107,633	13,845	14.8%
Manufacturing	132,315	135,266	2,950	2.2%
Durable Goods	112,230	114,018	1,787	1.6%
Nondurable Goods	20,085	21,248	1,163	5.8%
Trade, Transportation, and Utilities	244,473	260,730	16,257	6.6%
Wholesale Trade	56,960	60,015	3,055	5.4%
Retail Trade	128,968	131,960	2,991	2.3%
Transportation and Warehousing	55,869	65,522	9,653	17.3%
Information	28,193	30,158	1,965	7.0%
Financial Activities	74,745	78,980	4,235	5.7%
Professional and Business Services	214,282	244,345	30,063	14.0%
Professional and Technical Services	100,024	117,952	17,928	17.9%
Management of Companies and Enterprises	39,414	42,941	3,527	8.9%
Administrative and Waste Services	74,844	83,452	8,608	11.5%
Educational and Health Services (private)	206,667	248,121	41,454	20.1%
Educational Services	32,611	33,863	1,253	3.8%
Health Care and Social Assistance	174,057	214,258	40,201	23.1%
Leisure and Hospitality	110,421	112,167	1,746	1.6%
Arts, Entertainment, and Recreation	19,048	19,140	92	0.5%
Accommodation and Food Services	91,373	93,026	1,653	1.8%
Other Services	71,091	83,462	12,371	17.4%
Government	160,096	170,028	9,932	6.2%
Federal Government	25,593	25,842	249	1.0%
State Government	13,621	11,513	(2,108)	-15.5%
Local Government	120,882	132,672	11,790	9.8%

Source: Lightcast

8.13 | JOBS, PROJECTED OPENINGS, AND GRADUATE DATA BY TARGETED INDUSTRY

Description	2021 Jobs	2031 Jobs	Projected Annual Growth Opening*	Median Annual Earnings	Regional Completions (2020)
Advanced Manufacturing					
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	3,101	3,509	41	\$19.52	110
Electronics Engineers, Except Computer	1,049	1,196	15	\$45.00	417
First-Line Supervisors of Production and Operating Workers	4,912	5,216	38	\$31.15	146
Industrial Engineers	3,520	3,964	47	\$47.69	73
Inspectors, Testers, Sorters, Samplers, and Weighers	4,388	4,097	3	\$23.34	15
Machinists	2,611	2,955	41	\$25.28	210
Miscellaneous Assemblers and Fabricators	7,308	7,027	7	\$18.69	0
Semiconductor Processing Technicians	4,739	4,994	28	\$23.18	0
Software Developers and Software Quality Assurance Analysts and Testers	2,092	2,611	52	\$39.34	628
Welders, Cutters, Soldiers, and Brazers	2,873	3,131	32	\$25.03	266
Healthcare					
Substance Abuse, Behavioral Disorder, and Mental Health Counselors	4,736	5,963	124	\$28.94	1,414
Registered Nurses	24,491	27,008	255	\$49.67	1,567
Licensed Practical and Licensed Vocational Nurses	2,446	3,158	72	\$30.80	243
Home Health and Personal Care Aides	23,001	39,624	1,663	\$14.83	157
Nursing Assistants	8,569	10,630	210	\$18.51	142
Dental Assistants	3,844	4,111	28	\$24.26	199
Medical Assistants	6,705	7,870	120	\$22.84	1,101
Receptionists and Information Clerks	9,123	9,534	45	\$17.25	359
Medical Secretaries and Administrative Assistants	8,048	8,793	76	\$23.06	608
Technology					
Computer and Information Systems Managers	6,448	7,094	66	\$61.67	1,932
Computer Systems Analysts	5,986	6,359	38	\$49.11	950
Information Security Analysts	1,100	1,497	40	\$51.49	954
Computer and Information Research Scientists	528	622	9	\$79.56	660
Computer Network Support Specialists	1,411	1,545	15	\$29.88	742
Computer User Support Specialists	6,737	7,375	70	\$28.62	6,670
Computer Network Architects	1,370	1,466	10	\$51.85	729
Database Administrators	673	765	10	\$48.76	753
Database Architects	436	510	7	\$60.94	528
Network and Computer Systems Administrators	3,916	4,128	23	\$46.10	798
Computer Programmers	1,518	1,440	2	\$47.10	850
Software Developers	16,499	20,444	395	\$54.63	676
Software Quality Assurance Analysts and Testers	2,092	2,611	52	\$39.34	628
Web Developers	1,460	1,652	19	\$28.95	775
Web and Digital Interface Designers	1,160	1,347	19	\$35.54	996
Computer Occupations, All Other	2,938	3,360	44	\$43.21	2,559
Computer Hardware Engineers	7,311	7,316	8	\$63.25	385

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Description	2021 Jobs	2031 Jobs	Projected Annual Growth Opening*	Median Annual Earnings	Regional Completions (2020)
Construction					
Carpenters	12,150	13,368	123	\$26.23	54
Construction Laborers	11,158	13,060	190	\$21.40	54
Construction Managers	5,325	6,621	130	\$46.47	331
Electricians	8,118	9,670	155	\$38.38	192
First-Line Supervisors of Construction Trades and Extraction Workers	6,182	7,068	101	\$39.26	453
Operating Engineers and Other Construction Equipment Operators	2,849	3,209	36	\$30.61	0
Painters, Construction and Maintenance	4,285	4,641	43	\$20.79	0
Plumbers, Pipefitters, and Steamfitters	4,684	5,382	70	\$40.77	509
Roofers	2,397	2,675	30	\$25.00	0
Sheet Metal Workers	2,456	2,606	18	\$32.56	455

Source: Lightcast

Notes: *Doesn't include replacement openings (e.g. vacancies due to retirements)



8.14 | TOP OCCUPATIONS AND WAGE SPECTRUMS IN THE PORTLAND-VANCOUVER METRO AREA BASED ON 2021 EMPLOYMENT

Occupation	2021 Employment		Pct. 10 Hourly Earnings	Pct. 25 Hourly Earnings	Median Hour Earnings	Pct. 75 Hourly Earnings	Pct. 90 Hourly Earnings	2021 Location Quotient
	#	%						
Fast Food and Counter Workers	33,138	2.4%	\$13.39	\$13.92	\$14.48	\$15.60	\$17.72	1.24
Retail Salespersons	32,844	2.4%	\$13.79	\$14.58	\$15.48	\$18.11	\$23.59	1.00
Stockers and Order Fillers	30,802	2.3%	\$14.19	\$14.66	\$17.56	\$18.57	\$21.91	1.48
General and Operations Managers	27,155	2.0%	\$23.38	\$31.93	\$46.28	\$71.73	\$109.24	1.03
Registered Nurses	24,491	1.8%	\$37.73	\$43.60	\$49.67	\$56.66	\$64.17	0.94
Office Clerks, General	23,129	1.7%	\$14.82	\$16.07	\$18.62	\$23.25	\$27.21	0.97
Home Health and Personal Care Aides	23,001	1.7%	\$13.61	\$14.15	\$14.83	\$17.23	\$18.57	0.70
Cashiers	22,072	1.6%	\$13.77	\$14.35	\$15.11	\$16.38	\$18.93	0.78
Customer Service Representatives	18,918	1.4%	\$14.45	\$16.11	\$19.25	\$23.43	\$28.53	0.78
Laborers and Freight, Stock, and Material Movers, Hand	17,821	1.3%	\$14.26	\$14.92	\$18.01	\$19.10	\$23.30	0.75
Heavy and Tractor-Trailer Truck Drivers	16,509	1.2%	\$18.23	\$22.69	\$25.69	\$30.33	\$35.19	0.89
Software Developers	16,499	1.2%	\$34.25	\$41.68	\$54.63	\$65.23	\$80.20	1.36
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	16,416	1.2%	\$16.40	\$18.36	\$23.32	\$27.64	\$30.56	0.92
Bookkeeping, Accounting, and Auditing Clerks	16,154	1.2%	\$16.44	\$18.46	\$22.84	\$25.63	\$30.49	1.13
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	15,591	1.1%	\$13.88	\$14.44	\$15.59	\$18.45	\$22.25	0.79
Postsecondary Teachers	14,783	1.1%	\$26.23	\$33.24	\$48.51	\$73.98	\$101.93	0.99
Waiters and Waitresses	13,098	1.0%	\$13.52	\$14.11	\$14.78	\$16.93	\$26.56	0.81
Carpenters	12,150	0.9%	\$16.46	\$20.95	\$26.23	\$33.68	\$43.79	1.39
Maids and Housekeeping Cleaners	11,910	0.9%	\$8.73	\$14.14	\$15.10	\$17.71	\$19.98	0.99
Cooks, Restaurant	11,799	0.9%	\$14.18	\$14.93	\$17.09	\$19.59	\$22.49	1.09
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	11,729	0.9%	\$18.48	\$23.29	\$30.56	\$44.30	\$62.09	1.05
Accountants and Auditors	11,706	0.9%	\$22.70	\$28.45	\$36.98	\$46.40	\$57.66	0.93
First-Line Supervisors of Retail Sales Workers	11,632	0.9%	\$12.34	\$16.76	\$20.40	\$25.40	\$32.79	0.99
Maintenance and Repair Workers, General	11,494	0.8%	\$14.71	\$18.12	\$22.92	\$27.48	\$32.43	0.86
Project Management Specialists	11,420	0.8%	\$27.22	\$31.61	\$40.26	\$53.67	\$65.65	1.70
Teaching Assistants, Except Postsecondary	11,284	0.8%	\$14.72	\$15.72	\$18.87	\$22.00	\$25.17	1.11
Construction Laborers	11,158	0.8%	\$13.15	\$16.55	\$21.40	\$27.33	\$35.36	0.97
Personal Care and Service Workers, All Other	10,323	0.8%	\$14.00	\$15.01	\$16.32	\$18.54	\$19.25	9.42
Business Operations Specialists, All Other	10,249	0.8%	\$19.46	\$24.46	\$33.72	\$44.72	\$56.88	1.09
Childcare Workers	9,902	0.7%	\$4.78	\$11.61	\$14.24	\$17.18	\$22.12	0.96
First-Line Supervisors of Office and Administrative Support Workers	9,859	0.7%	\$19.39	\$24.11	\$30.58	\$38.17	\$45.01	0.77
Light Truck Drivers	9,520	0.7%	\$14.46	\$16.72	\$19.14	\$23.71	\$30.78	1.05
Managers, All Other	9,293	0.7%	\$9.06	\$20.95	\$36.63	\$59.98	\$86.10	1.10
Receptionists and Information Clerks	9,123	0.7%	\$13.71	\$14.48	\$17.25	\$18.75	\$22.89	1.04
Elementary School Teachers, Except Special Education	8,729	0.6%	\$23.87	\$29.31	\$37.52	\$47.49	\$50.71	0.77
Nursing Assistants	8,569	0.6%	\$14.44	\$17.29	\$18.51	\$22.27	\$23.76	0.75
Landscaping and Groundskeeping Workers	8,453	0.6%	\$12.06	\$15.46	\$18.78	\$22.68	\$26.13	0.82
Market Research Analysts and Marketing Specialists	8,148	0.6%	\$21.44	\$24.24	\$33.89	\$49.58	\$65.52	1.22

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Occupation	2021 Employment		Pct. 10 Hourly Earnings	Pct. 25 Hourly Earnings	Median Hour Earnings	Pct. 75 Hourly Earnings	Pct. 90 Hourly Earnings	2021 Location Quotient
	#	%						
Electricians	8,118	0.6%	\$22.03	\$28.75	\$38.38	\$48.74	\$54.34	1.30
Medical Secretaries and Administrative Assistants	8,048	0.6%	\$16.68	\$18.57	\$23.06	\$26.47	\$29.88	1.44
First-Line Supervisors of Food Preparation and Serving Workers	7,709	0.6%	\$14.48	\$15.62	\$18.59	\$23.89	\$29.22	0.84
Management Analysts	7,359	0.5%	\$22.17	\$34.19	\$42.94	\$56.80	\$81.93	0.88
Computer Hardware Engineers	7,311	0.5%	\$48.20	\$57.38	\$63.25	\$77.25	\$96.73	11.06
Miscellaneous Assemblers and Fabricators	7,308	0.5%	\$14.87	\$15.69	\$18.69	\$21.97	\$25.90	0.64
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	7,183	0.5%	\$18.32	\$23.48	\$31.02	\$41.35	\$63.03	0.79
Human Resources Specialists	7,149	0.5%	\$18.54	\$23.70	\$30.90	\$39.88	\$50.59	1.04
Shipping, Receiving, and Inventory Clerks	7,119	0.5%	\$14.39	\$16.15	\$18.60	\$22.65	\$25.28	1.04
Computer User Support Specialists	6,737	0.5%	\$18.26	\$22.79	\$28.62	\$33.59	\$39.80	1.13
Medical Assistants	6,705	0.5%	\$17.99	\$19.46	\$22.84	\$24.85	\$28.74	1.07
Security Guards	6,699	0.5%	\$15.25	\$15.64	\$16.14	\$19.29	\$24.98	0.72
Lawyers	6,657	0.5%	\$31.88	\$43.36	\$61.99	\$87.43	\$137.24	0.90
Computer and Information Systems Managers	6,448	0.5%	\$45.58	\$50.60	\$61.67	\$80.16	\$122.44	1.50
Insurance Sales Agents	6,267	0.5%	\$17.23	\$20.54	\$29.38	\$40.90	\$72.73	1.04
First-Line Supervisors of Construction Trades and Extraction Workers	6,182	0.5%	\$23.96	\$30.19	\$39.26	\$50.05	\$61.76	0.97
Cooks, Institution and Cafeteria	6,120	0.5%	\$15.07	\$17.20	\$20.06	\$23.31	\$24.18	1.73

Source: Lightcast

8.15 | PORTLAND METRO AREA UNION MEMBERSHIP, 2011 AND 2021

2021						
Sector	Observations	Employment	Members*	Covered**	% Members	% Covered
Total	1,402	1,173,834	193,088	203,191	16.4%	17.3%
Private	1,205	1,010,349	104,281	106,449	10.3%	10.5%
Public	197	163,485	88,807	96,742	54.3%	59.2%
2011						
Sector	Observations	Employment	Members*	Covered**	% Members	% Covered
Total	1,402	1,173,834	193,088	203,191	16.1%	16.9%
Private	1,205	1,010,349	104,281	106,449	8.4%	8.9%
Public	197	163,485	88,807	96,742	61.9%	64.6%

Source: unionstats.com

Compiled from the Current Population Survey (CPS)

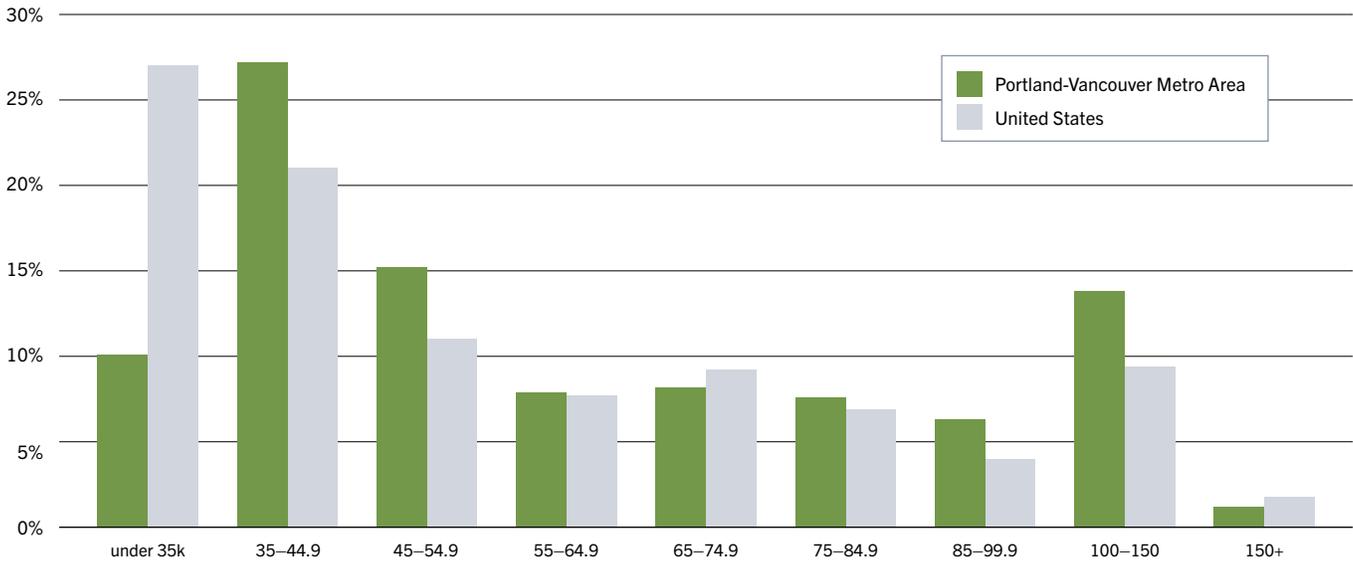
Note: CPS sample sizes (denoted by "Observations") are very small for some cells. Use union estimates cautiously.

* Workers are counted as members if they respond 'yes' when asked if they are a member of a labor union or an employee organization similar to a union.

** Workers are counted as covered by a collective bargaining agreement if they are union members or if they are not members but say they are covered by a union contract.

Data unavailable for Cowlitz and Wahkiakum

8.16 | DISTRIBUTION OF JOBS BY AVERAGE ANNUAL WAGE: GREATER PORTLAND REGION AND U.S., 2021



Source: Bureau of Labor Statistics

8.17 | JOB VACANCY REPORT: OCCUPATIONS WITH HIGHEST NUMBER OF VACANCIES

Top 25 Occupations in Portland Tri-County Region With Highest Number of Job Vacancies, 2021			
Occupations	Vacancies	% of Vacancies	Typical Entry Level Education
All Occupations	38,102		
Retail Salespersons	2,361	6.2%	High school diploma
Personal Care Aides	1,284	3.4%	High school diploma
Stockers and Order Fillers	1,002	2.6%	High school diploma
Customer Service Representatives	969	2.5%	High school diploma
Registered Nurses	959	2.5%	Bachelor's degree
Cooks, Restaurant	926	2.4%	High school diploma
Maids and Housekeeping Cleaners	907	2.4%	Less than high school
Nursing Assistants	898	2.4%	Postsecondary training
Cashiers	845	2.2%	High school diploma
Automotive Service Technicians and Mechanics	824	2.2%	Postsecondary training
Dental Assistants	808	2.1%	Postsecondary training
Receptionists and Information Clerks	766	2.0%	High school diploma
Heavy and Tractor-Trailer Truck Drivers	645	1.7%	High school diploma
Production Workers, All Other	608	1.6%	High school diploma
Hotel, Motel, and Resort Desk Clerks	568	1.5%	High school diploma
Teaching Assistants, Preschool, Elementary, Middle, and Secondary School, Except Special Education	567	1.5%	Postsecondary training
Light Truck Drivers	530	1.4%	High school diploma
Cooks, Institution and Cafeteria	480	1.3%	High school diploma
Office and Administrative Support Workers, All Other	439	1.2%	High school diploma
Business Operations Specialists, All Other	430	1.1%	Bachelor's Degree

Source: Oregon Employment Department; O*NET

Oregon Employment Department 2021 Job Vacancy Survey: Portland Tri-County (Clackamas, Multnomah, Washington counties)
 Typical Education: O*NET <https://www.onetonline.org/>
 No available data for Business Operations Specialists, All Other

8.18 | JOB VACANCY REPORT: VACANCIES BY INDUSTRY

Industry	Vacancies	Share of Vacancies	Average Hourly Wage
All Industries	38,102		\$21.71
Health care and social assistance	9,080	24%	\$22.66
Retail trade	4,291	11%	\$16.69
Leisure and hospitality	3,716	10%	\$16.70
Manufacturing	3,336	9%	\$19.58
Professional, scientific, and technical services	3,141	8%	\$33.19
Other services	2,995	8%	\$21.11
Construction	2,326	6%	\$27.96
Management, administrative, and waste services	2,176	6%	\$17.80
Private educational services	1,527	4%	\$22.61
Financial activities	1,170	3%	\$17.55
Transportation, warehousing, and utilities	1,150	3%	\$20.64
Natural resources and mining	658	2%	\$18.16
Information	192	1%	\$56.70
Wholesale trade	2,344	6%	\$20.25

Source: Oregon Employment Department; O*NET

Oregon Employment Department 2021 Job Vacancy Survey: Portland Tri-County (Clackamas, Multnomah, Washington counties)

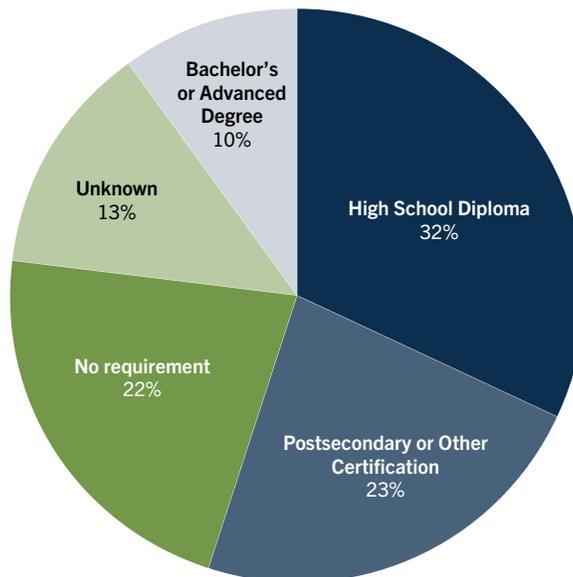
8.19 | JOB VACANCY REPORT: VACANCIES BY REQUIRED EDUCATION LEVEL

Portland Tri-County Region Job Vacancies by Required Education Level, 2021						
Required Education Level	Vacancies	Average Hourly Wage	Full-time Positions	Permanent Positions	Requiring Previous Experience	Difficult to Fill
All Education Levels	38,102	\$21.71	78%	96%	61%	66%
No Requirement	8,443	\$17.18	76%	96%	42%	70%
High School Diploma	12,279	\$17.82	77%	97%	69%	72%
Postsecondary or Other Certification	8,789	\$27.29	68%	94%	79%	72%
Bachelor's or Advanced Degree	3,640	\$35.39	93%	97%	89%	73%
Unknown	4,951	\$19.80	86%	94%	23%	29%

Source: Oregon Employment Department; O*NET

Oregon Employment Department 2021 Job Vacancy Survey: Portland Tri-County (Clackamas, Multnomah, Washington counties)

8.20 | PORTLAND TRI-COUNTY REGION JOB VACANCIES BY EDUCATIONAL REQUIREMENT: 2021



Source: Oregon Employment Department

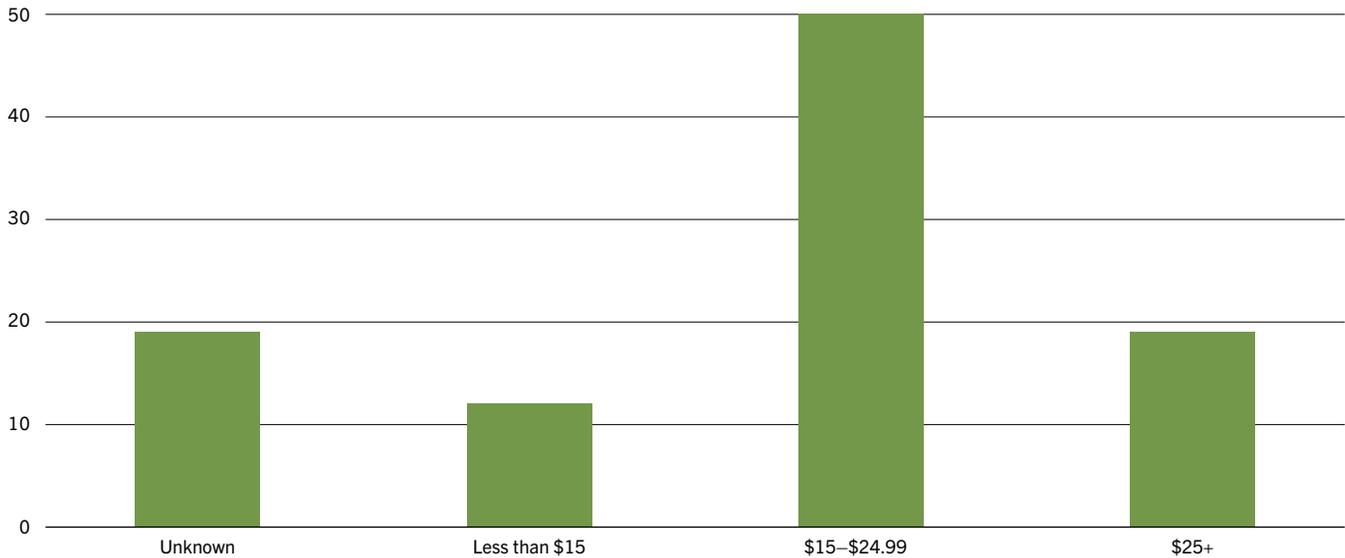
8.21 | JOB VACANCY REPORT: VACANCIES BY HOURLY WAGE

Portland Tri-County Region Job Vacancies by Required Hourly Wage, 2021							
Wage (per hour)	Vacancies	Average Hourly Wage	Full-time Positions	Permanent Positions	Require Education Beyond High School	Require Previous Experience	Difficult to Fill
All Wage Ranges	38,102	\$21.71	78%	96%	38%	61%	66%
Less than \$15	4,706	\$13.96	60%	90%	11%	28%	66%
\$15 through \$24.99	19,038	\$17.88	77%	97%	24%	67%	76%
\$25 and up	7,168	\$36.60	88%	99%	77%	90%	80%
Unknown	7,190		79%	93%	64%	40%	25%

Source: Oregon Employment Department; O*NET

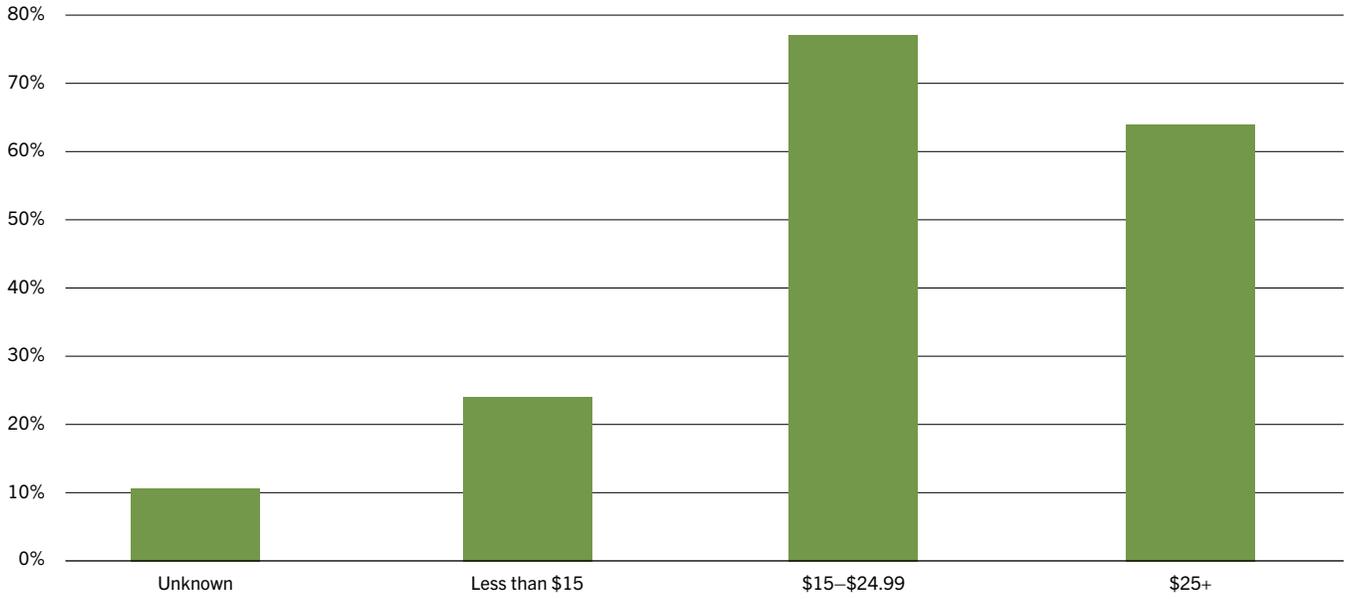
Oregon Employment Department 2021 Job Vacancy Survey: Portland Tri-County (Clackamas, Multnomah, Washington counties)

8.22 | PORTLAND TRI-COUNTY JOB VACANCIES BY HOURLY WAGE: 2021



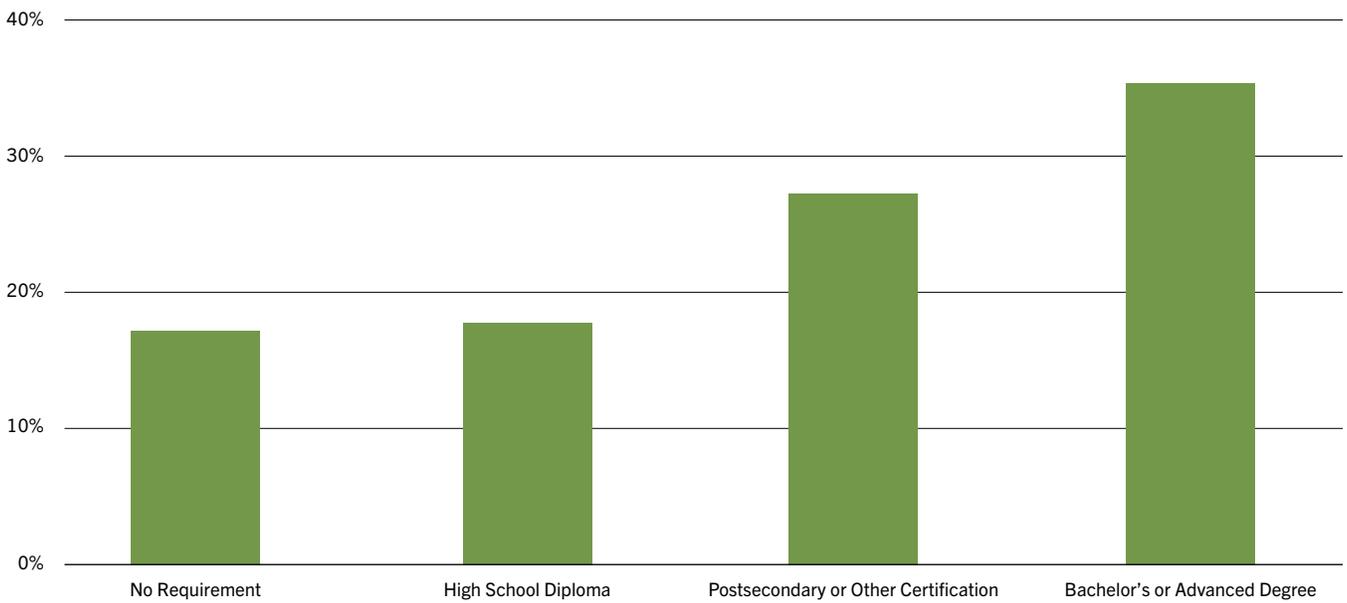
Source: Oregon Employment Department

8.23 | SHARE OF PORTLAND TRI-COUNTY JOB VACANCIES REQUIRING EDUCATION BEYOND HIGH SCHOOL BY HOURLY WAGE RANGE: 2021



Source: Oregon Employment Department

8.24 | AVERAGE HOURLY WAGE FOR PORTLAND TRI-COUNTY JOB VACANCIES BY EDUCATIONAL REQUIREMENT: 2021



Source: Oregon Employment Department

8.25 | JOB VACANCY REPORT: DIFFICULT-TO-FILL POSITIONS BY REASON, OREGON, 2021

	Reason Provided by Employer	Difficult to Fill Vacancies	Share of Vacancies with Reasons Provided
Difficult to control	Lack of applicants	30,137	47.0%
	Low wages	7,364	11.5%
	Unfavorable working conditions	3,389	5.3%
	Other	3,068	4.8%
	Location	1,598	2.5%
Can we do something?	Lack of qualified candidates	11,321	17.7%
	Lack of work experience	3,374	5.3%
	Lack of technical skills	1,902	3.0%
	Lack of certification	1,201	1.9%
	Lack of soft skills	537	0.8%
	Lack of training	170	0.3%
	Total with reasons provided	64,061	100.0%

Source: Oregon Employment Department





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