



# STATE OF THE WORKFORCE REPORT

# 2018

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





## 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 above. 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, 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.

This report examines the **state of the workforce** within the greater Portland-Vancouver metro area. Ideally, the economy should exist in equilibrium, where the supply and skills of workers parallel industry demands. 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 maintains and establishes competitive edges across growing sectors. Through the data available in this report, regional stakeholders can more efficiently shape policy, consider investments, and implement strategies to improve the quality of the workforce.

The Portland-Vancouver metro area has substantial positive attributes, including being well-known for its beauty, unique culture, and progressive attitudes. From microbrews to microchips, the region's ability to innovate increasingly becomes world-renowned. The region has the 23<sup>rd</sup> largest labor force in the country and continues to be one of the fastest-growing. Healthcare continues to provide the largest share of private-sector jobs (15 percent) while manufacturing remains an important contributor in the region as well (12 percent). Small businesses dominate the private sector landscape with over 95 percent of regional private-sector firms employing fewer than 50 people. Over 43 percent of the regional workforce has at least a bachelor's degree, compared to 39 percent two years ago and just 36 percent across the country. The diversity of the region continues to rise—the population of people of color grew twice as fast as the overall population in recent years.

Despite being a decade past the beginning of the Great Recession and well into a mature bull market, the region's economy continues to expand rapidly. Earnings growth for full time workers remains on par with national growth. Between 2010 and 2016, median family income in the region jumped nearly 19 percent, now having surpassed the pre-recession peak.

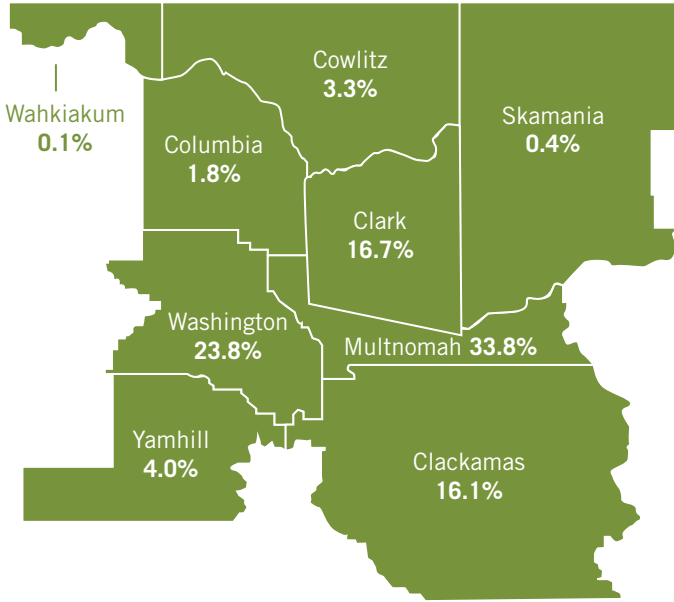
The resounding success of the Portland-Vancouver metro area economy in recent years has resulted in historically low levels of unemployment—less than four percent. Consequently, employers have increasing difficulty in finding enough qualified workers. **Assisting local workers prepare for the region's shifting, growing economy, and thereby aiding businesses find qualified workers is critical to the health of the regional economy.** To sustain the strong growth experienced in recent years, individuals struggling to make ends meet need to be up-skilled to enjoy the benefits of a thriving economy and have the strong workforce necessary to meet the demands of local employers.

The Columbia-Willamette Workforce Collaborative—comprised of the three Workforce Development Boards covering the Portland-Vancouver region—believes in three cornerstones of a prosperous community:

- Workforce development
- Economic development
- Education

For a community to prosper, concentrated efforts must be made to align workforce supply with industry demand. Working together and bridging gaps between disciplines, resources, and jurisdictions strengthen the efforts of these intertwined cornerstones.

## 2018 REGIONAL LABOR FORCE: 1,379,802



Regional labor force has increased **23%** since 2000.

The Portland Metro Area had the **6th fastest growing labor force** between 2015 and 2017.

## MEDIAN EARNINGS FOR YEAR-ROUND, FULL-TIME WORKERS

	2000	2017
Portland Metro Statistical Area	\$35,502	\$52,083
Longview Metro Statistical Area	\$35,095	\$47,895
United States	\$32,098	\$46,881

## AGE

21% of the region's workforce is age 55+, with the majority employed in:

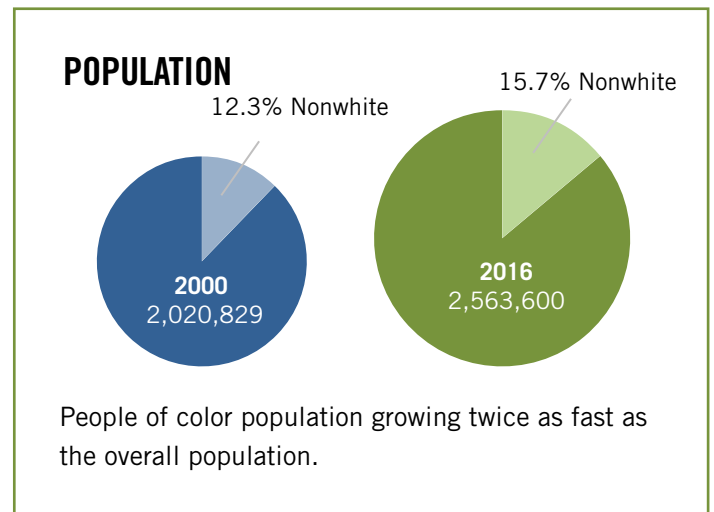
- + Health Care & Social Assistance (private and public) 34,100
- ⚙️ Manufacturing 30,100
- 🎓 Education Services (private and public) 22,800

## LARGEST EMPLOYERS IN THE PORTLAND METROPOLITAN AREA

(Ranked by number of local employees)

Rank	Company	Number of Local Employees
1	Intel Corp	19,300
2	Providence Health & Services	17,543
3	Oregon Health and Science University	16,200
4	Legacy Health System	12,955
5	Nike Inc.	12,000
6	Fred Meyer Stores	10,637
7	Kaiser Permanente Northwest*	10,269
8	City of Portland	7,043
9	Portland Public Schools	6,780
10	Multnomah County	6,189
11	Beaverton School District	4,903
12	Vancouver Public Schools	4,600
13	PeaceHealth Southwest Washington Medical Center	4,448
14	U.S. Bank	4,242
15	Wells Fargo	4,100
16	U.S. Postal Service	3,838
17	Portland Community College	3,804
18	New Seasons Market	3,585
19	Portland State University	3,512
20	U.S. Department of Veterans Affairs	3,437

\* 2016 employment  
Source: Portland Business Journal; July 2017



## EDUCATION



**44%** of the workforce have a Bachelor's Degree or above

A strong, vibrant economy requires a skilled workforce. Rapid technological advancements demand increasingly higher skills requiring education and training beyond high school. The State of Oregon has set an ambitious goal for educational attainment called **40-40-20**, calling for 40 percent of adults to hold a bachelor's degree or more, an additional 40 percent to hold an associate's degree or post-secondary credential, and for all adults to have a high school diploma (remaining 20 percent). Currently, 34 percent of Oregon's population hold a bachelor's degree or more while just 9 percent have an associate's degree. Similarly, Washington State has adopted **Results Washington**, a plan to increase the attainment of certificates, credentials, apprenticeships, and degrees from 73,000 in 2014 to 149,000 by 2023. Most recently, over 96,000 attainments occurred in 2016. These aspirations signal two important goals of the workforce system—to actively reach out to underserved communities, especially those with educational or skill-based barriers to employment while simultaneously building a skilled workforce so that employers can find the talent they require within the region.

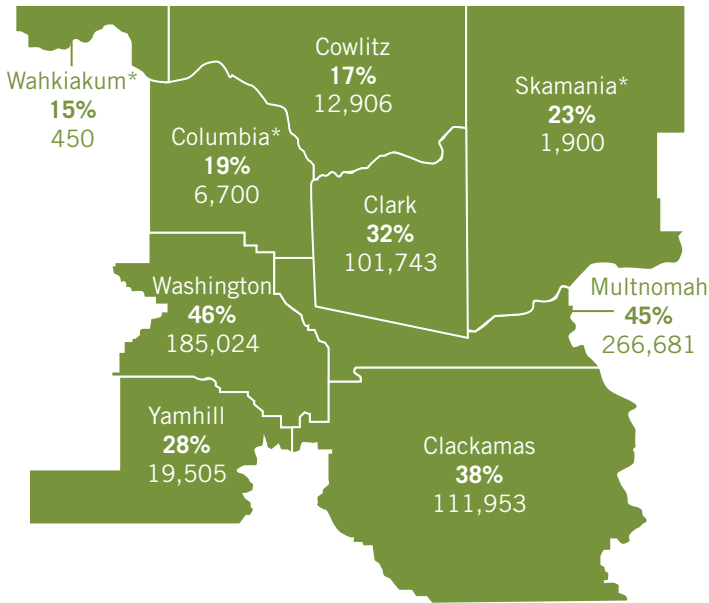
The percent of people in the Portland-Vancouver metro area with a bachelor's degree or higher has climbed to 40 percent, up 12 percentage points since 2000. In Multnomah and Washington counties nearly half of residents have at least a bachelor's degree. The region's higher education landscape contains over 35 institutions, including 5 community colleges and an array of private and public organizations supporting a broad mix of disciplines and degrees. High school graduation rates continue to climb—over 77 percent of students in the Oregon portion and 82 percent of students in the Washington portion of the region graduate in four years.

Notwithstanding these successes, more than 2,500 youth drop out of high school every year and less than a third of regional 11<sup>th</sup> graders are proficient or above in math. More than one-third of incoming community college students require remediation before pursuing college-level work, negatively impacting completion success rates. **The Collaborative continues to build its relationships with regional partners in education to improve student success rates and improve the skills of the workforce.**

Building a strong regional workforce requires skill-building beyond traditional college-aged students. The Collaborative works with partners to find creative ways to engage and incent adult workers to pursue and complete educational and industry-recognized credentials. Particular emphasis is placed on occupations commonly found in four target sectors: Advanced Manufacturing, Healthcare, Technology, and Construction. By focusing training and services in middle-skill jobs found in these sectors, the Collaborative can efficiently leverage its resources to provide customers a platform to find career-track employment and earn self-sufficient wages.

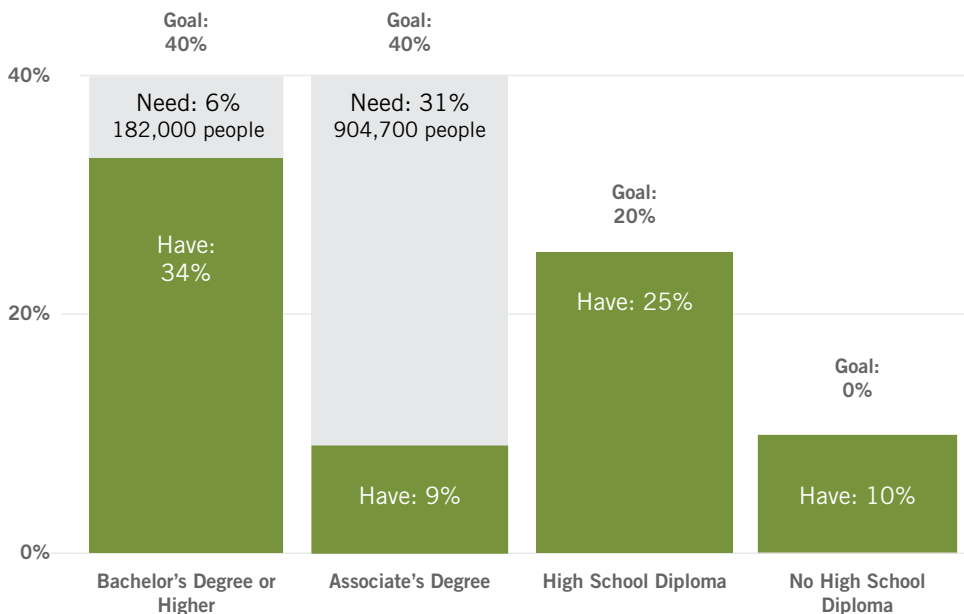
Oregon and several areas in Washington have also adopted the National Career Readiness Certificate (NCRC), a portable credential that demonstrates achievement and a level of workplace readiness skills in applied mathematics, locating information, and reading for information. Increasing regional employer awareness about the NCRC will bolster the initiative's success to-date. As of July 2018, nearly 18,500 residents have attained an NCRC—a real, tangible credential that informs regional employers of a potential employees workplace skills.

## PEOPLE AGE 25+ WITH A BACHELOR'S DEGREE OR HIGHER: 2017



\* 2016 estimates

## OREGON'S 40-40-20 GOAL



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

Science, Engineering and Related Fields	49%
Arts, Humanities and Other	26%
Business	17%
Education	8%



### ONE IN FIVE

workers today are near or at retirement age.

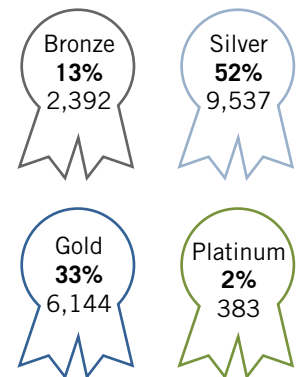
## UNIONIZATION

**13%** of the metro area's workers are union members, down from 2000 (15%)

## H-1B VISAS

**9,600** certified H-1B visas in 2017.

## NATIONAL CAREER READINESS CERTIFICATES



## RESULTS WASHINGTON



New degrees by 2023

The Portland-Vancouver metro area has proven to be one of the strongest economies following the Great Recession. A high quality of life combined with a robust entrepreneurial culture that promotes small business growth continues to attract young, creative talent from across the globe. While the manufacturing base emerged from the recession smaller, the 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. The metro area ranked 17<sup>th</sup> in the nation for exports (2017) and is home to globally competitive companies in sectors spanning from software, to athletic and outdoor apparel, and metals and high-tech manufacturing.

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. Over one-fifth of the workforce is over the age of 55 and will retire 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 remains slightly below (98%) of the average for all national metro areas combined (\$51,100). Just 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 \$30,000 annually.

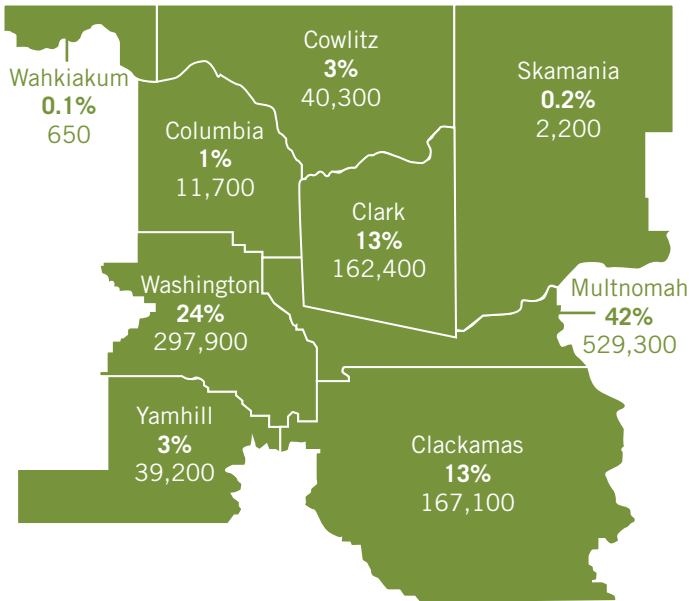
Over 51,000 people remain unemployed in the region despite steady job growth and ever-increasing online job postings. An additional 122,700 workers in the region work full-time, year-round, yet make less than \$25,000 annually. The combination of education and experience required by regional employers increasingly does not reflect the qualifications of regional job seekers. **The Collaborative has committed to collaboration across program and jurisdictional boundaries to build employers partnerships and address the skill shortages facing the regional workforce.**

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, 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 assuring that the region's workforce meets the needs of an ever-evolving economy.



## 2017 REGIONAL JOBS: 1,250,750

Grew **14%** since 2012.



Ranked **17th** in the U.S.

## EMPLOYMENT PROJECTIONS 2017-2027

**Healthcare +24%**



**Construction +21%**



**Software/IT +26%**



**Advanced Manufacturing +1%**



All private sector industries **+14%** From 1,250,810 to 1,427,525

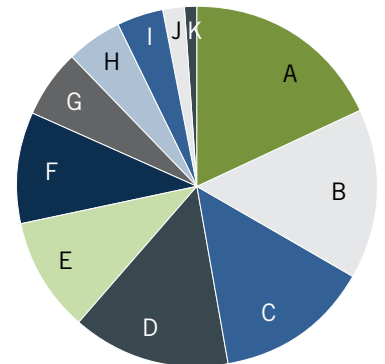
## 10 MOST COMMON OCCUPATIONS

Occupation	Jobs	Median Annual Wage
Retail Salespersons	36,200	\$24,900
Cashiers	25,500	\$24,100
Office Clerks, General	25,000	\$35,600
Combined Food Preparation and Serving Workers, Including Fast Food	24,300	\$24,100
Registered Nurses	23,300	\$90,300*
General and Operations Managers	21,500	\$94,000*
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,900	\$39,600
Waiters and Waitresses	19,800	\$24,100
Customer Service Representatives	18,500	\$36,000
Laborers and Freight, Stock, and Material Movers, Hand	18,400	\$29,300

\*Pay a self-sufficient wage for this area.

## EMPLOYMENT BY INDUSTRY

- A **Trade, Transportation, and Util.**  
18% 221,550
- B **Educational & Health Svcs. (private)**  
15% 189,773
- C **Professional and Business Svcs.**  
14% 180,756
- D **Government (includes education)**  
14% 173,660
- E **Manufacturing**  
10% 129,099
- F **Leisure and Hospitality**  
10% 125,417
- G **Construction**  
6% 70,748
- H **Financial Activities**  
5% 65,469
- I **Other Services**  
4% 52,331
- J **Information** 2% 25,134
- K **Natural Resources and Mining** 1% 16,557



**Investing in the youth of the region will return dividends for decades to come.** Consequently, the youth of the region depend on the education system to provide them the academic and foundational skills needed to thrive in an evolving labor market. But no one system or sector can improve educational outcomes alone. Reconnecting youth requires an array of organizations and agencies contributing efforts together to provide promising opportunities for youth and consequently the regional economy.

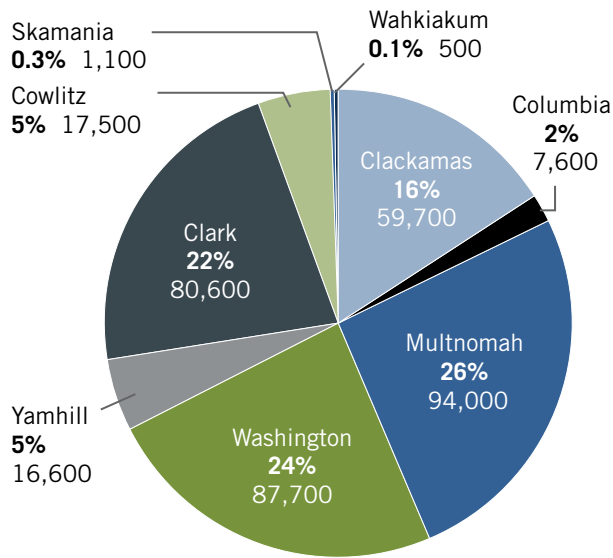
Achieving high levels of educational attainment has far-reaching social, cultural, and economic benefits. Populations with higher levels of education have lower unemployment, commit fewer crimes, require less public assistance, and earn higher wages. It is estimated that increasing the share of adults who earn a two or four-year degree by just one percent will boost the regional economy by more than \$1.5 billion annually. In just three years, (2014-2016), the region saw the share of adults age 25 plus with at least a bachelor's degree increase three percentage points, from 35 to 38 percent.

Current data shows that considerable improvement is needed to increase the educational attainment of regional youth. While academic achievements and regional graduation rates show signs of improvement, significant gaps exist, particularly for low-income youth and students of color. The Hispanic population has doubled since the beginning of the century and the population of people of color is growing faster than the overall population. In 2016, nearly 20,000 new residents arrived to the region from abroad, increasing the number of non-English speakers at home. Given these changing demographics, existing poverty, and higher graduation requirements, it is urgent that regional stakeholders focus on improving academic performance for all regional youth.

While the region continues to see an increase in the number of students entering post-secondary schooling, the rate of completion needs improvement, especially in order to reach the 40-40-20 goal. Data shows that too many students, and in particular students of color, enter programs but never formally receive a credential or degree. The continued high share (over one-third) of students requiring remedial education dampens post-secondary graduation rates. Moreover, these students lacking baseline skills for post-secondary education drain resources from colleges already facing limited budgets.

With a strong economy and tremendous growth since the end of the Great Recession, youth unemployment has now decreased to below 2000 levels—sitting at 10.5 percent. Despite a hot labor market, more than 29,000 youth ages 16-24 are neither in school nor working. Being able to understand who may be falling out of the system and their backgrounds allows the Collaborative and its partners to create partnerships and strategies to directly serve these youth and reconnect them to education and career-track employment. By targeting these youth in need the following will occur: broaden employer engagement in youth development services and activities thereby increasing the number and quality of work-based learning opportunities, re-engage opportunity youth through education and training opportunities, and collaborate with partners to remove and overcome barriers to employment or education for underserved populations of youth. By promoting these strategies, the region will foster youth who will work more, be more likely to return to school, have steady employment with career growth opportunities, and consequently earn more money over the course of their lives. Additionally, these youth will be less likely to engage in crime and other high-risk behaviors.

## TOTAL STUDENTS IN PORTLAND-VANCOUVER METRO AREA: 365,300



### 2-YEAR COLLEGE GRADUATION RATES (WITHIN 3 YEARS)

Portland Community College	16%	Clackamas Community College	22%
Clark College	24%	Lower Columbia College	38%
Mt. Hood Community College	21%		

Oregon and Washington **36%**

### 4-YEAR COLLEGE GRADUATION RATES (WITHIN 6 YEARS)

Oregon State University	63%	University of Washington	84%
Portland State University	48%	Washington State University	67%
University of Oregon	72%		

Oregon and Washington **71%**

## DEMOGRAPHICS

	2000-01	2016-17	Share of 2016-17
Low Income	90,500	163,400	45%
Students of Color	68,900	171,100	41%
ELL Students	26,400	66,700	18%
Opportunity Youth	34,900	29,100	11%

## YOUTH UNEMPLOYMENT



2000: 12.2%



2016: 10.5%

## DEGREE BY AGE

	18-24	25-34	45-64
Less than High School	14%	7%	7%
High School Diploma	31%	20%	20%
Some College, No Degree	39%	21%	25%
Associate's Degree	6%	9%	10%
Bachelor's Degree +	10%	43%	38%

Note: Many youth (18-24) are still pursuing their degrees, so their share of degrees, esp. Bachelor and above, will be deceptively low compared to older people

## HIGH SCHOOL

Cohort: 28,350



Graduate in 4 years	79%
African American	67%
Hispanic	72%
Female	83%

## MEDIAN EARNINGS BY EDUCATIONAL ATTAINMENT, PORTLAND-VANCOUVER METRO AREA

Less than High School Graduate	\$24,695.00
High School Graduate	\$31,615.00
Some College or Associate's Degree	\$36,412.00
Bachelor's Degree	\$51,090.00
Graduate or Professional Degree	\$69,853.00
<b>Total:</b>	<b>\$41,086.00</b>

## UNEMPLOYMENT RATES BY EDUCATION, U.S. VS. PORTLAND-VANCOUVER METRO AREA

	U.S.	Portland-Vancouver Metro Area
Less than High School Graduate	8.7%	4.5%
High School Graduate	6.2%	5.0%
Some College or Associate's Degree	4.7%	4.4%
Bachelor's Degree or Higher	2.7%	2.8%

**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 engage in criminal activity, have poorer health in life and require more public services. Services provided by the workforce development system can remove systematic barriers to employment and are an increasingly popular and effective strategy in the fight to reduce poverty.

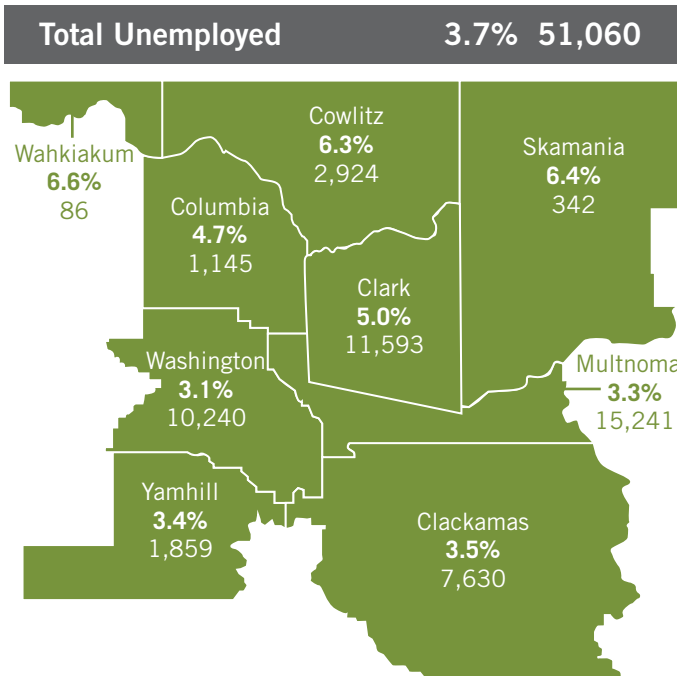
Ensuring that the entire population has basic needs met remains one of the most overwhelming challenges for the Portland-Vancouver region. According to the most recent Census data, more than 280,000 individuals (11 percent) live in poverty. More than one-third of households in Multnomah and Washington counties do not meet the Self-Sufficiency Standard. An estimated 51,000 people remain unemployed and thousands more who 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 and property values continue to soar across the region. While this might be good for homeowners, far too many residents are being forced to move further away from job centers and in extremely unfortunate cases, finding themselves homeless. Renter-occupied households are 50 percent less likely to meet the Self-Sufficiency Standard compared to homeowners. From the most recent point-in-time homeless counts (2017), an estimated 6,400 people sleep on the streets or in shelters across the region. Nearly 2,500 customers engaged in the regional workforce system indicated that they were homeless. 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 skills training, career pathways, vocational focused case management, and strong partnerships with education, community-based and social service organizations.

As the economy continues to remain strong, the region has seen a steep decline in primary resources typically available to combat poverty and engage people with the labor market—namely federal resources that directly support non-education based anti-poverty and workforce efforts. While increasing investments now to support individuals who need workforce supports the most will pay dividends long-term, the current fiscal environment is unlikely to change. Consequently, less resources despite steady needs reinforces the commitment of stakeholders collaborating to address poverty and continually supporting programs and strategies that are proven to work.

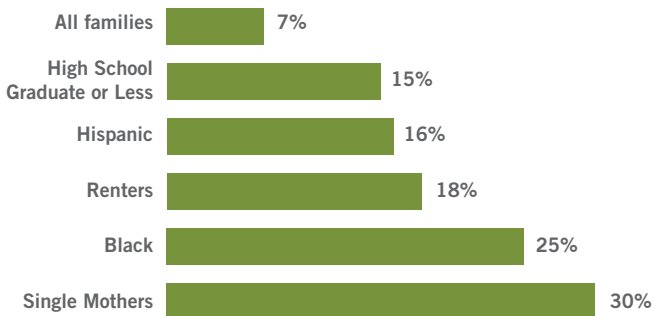
## UNEMPLOYMENT RATE



There are  
**TWO ONLINE JOB POSTINGS  
EACH MONTH**

for every unemployed worker.

## POVERTY STATUS OF VARIOUS FAMILY TYPES: 2017



## 2018 HOUSING AFFORDABILITY



Percent increase from 2015



Portland has the **25th lowest house vacancy rate** in the nation, and the 15th lowest rental vacancy rate.

Since 2010, rents have increased **2.5X as fast** as median income (48% vs. 19%)

\* 2014-2016

	2000	2017
Poverty (Individuals)	<b>178,827</b> 8.7%	<b>277,478</b> 10.9%
Public Assistance (Household)	<b>27,347</b> 3.5%	<b>34,076</b> 3.4%
Subsidized Housing (Individuals)	<b>38,900</b> 2.0%	<b>57,242</b> 2.2%
	2007	2017
Food Stamps/SNAP (Households)	<b>75,442</b> 8.7%	<b>127,371</b> 13.8%

## WORKING POOR



**14%** Working full time and year round, and earning less than \$25,000/year

## POPULATION

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# POPULATION

## DETAILED POPULATION GROWTH: HISTORIC AND PROJECTED

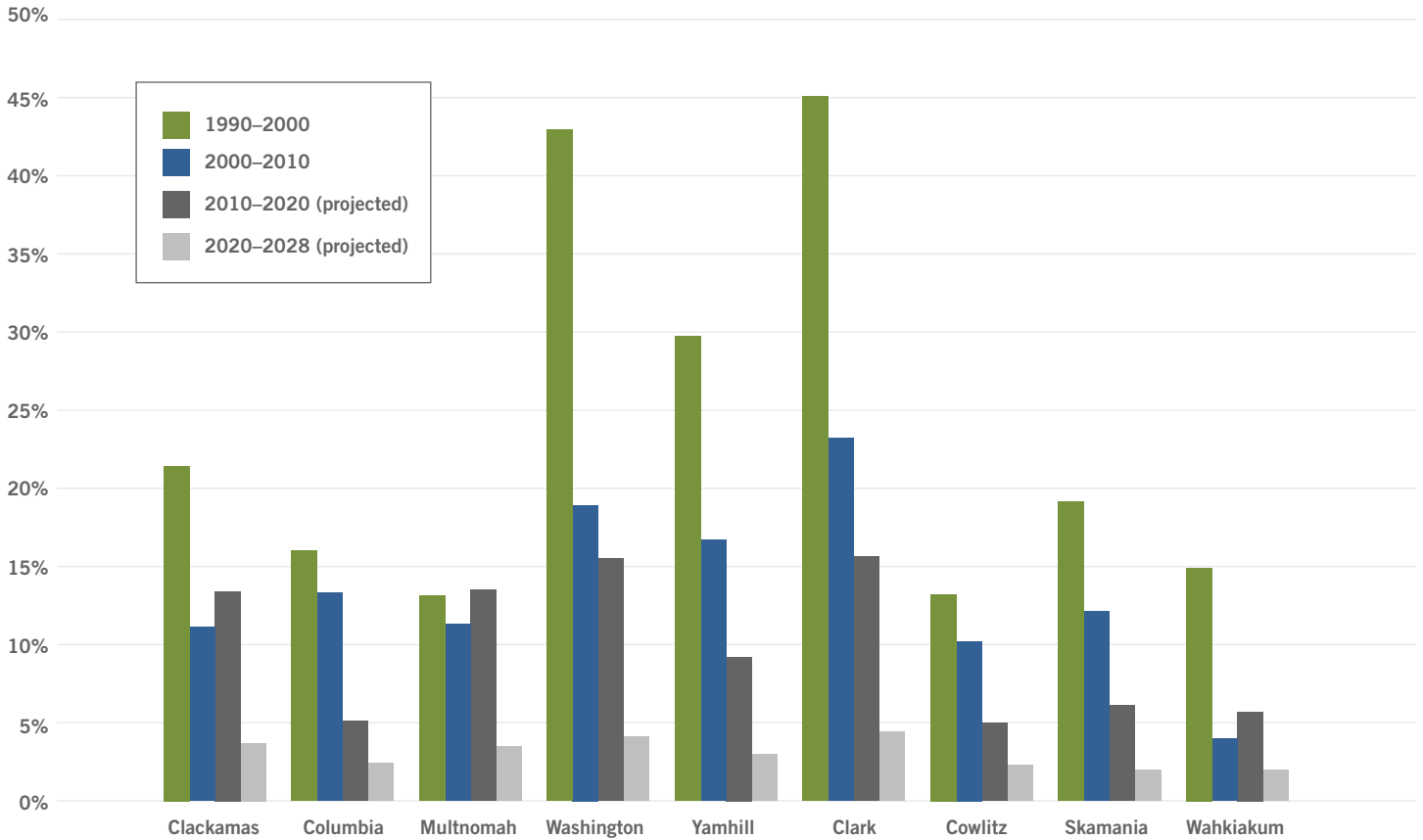
Source: U.S. Census, Oregon Office of Economic Analysis, Washington State Office of Financial Management, Emsi

	Population				Projection	
	1990	2000	2010	2017	2020	2028
<b>United States</b>	248,790,925	281,421,906	308,745,538	325,401,909	331,135,582	337,868,041
<b>Portland-Vancouver Metro Area</b>	1,609,187	2,024,653	2,332,397	2,563,566	2,648,050	2,747,551
<b>Clackamas</b>	278,850	338,391	375,992	412,715	426,209	442,140
<b>Columbia</b>	37,557	43,560	49,351	50,851	51,855	53,090
<b>Multnomah</b>	583,887	660,486	735,334	809,309	834,431	863,679
<b>Washington</b>	311,554	445,342	529,710	590,527	611,987	637,234
<b>Yamhill</b>	65,551	84,992	99,193	103,630	108,358	111,651
<b>Clark</b>	238,053	345,238	425,363	473,416	491,743	513,455
<b>Cowlitz</b>	82,119	92,948	102,410	105,458	107,526	110,041
<b>Skamania</b>	8,289	9,872	11,066	11,547	11,736	11,972
<b>Wahkiakum</b>	3,327	3,824	3,978	4,140	4,205	4,288

Portland-Vancouver metro area projected to grow almost twice as fast as the nation over the next decade (2018-2028).

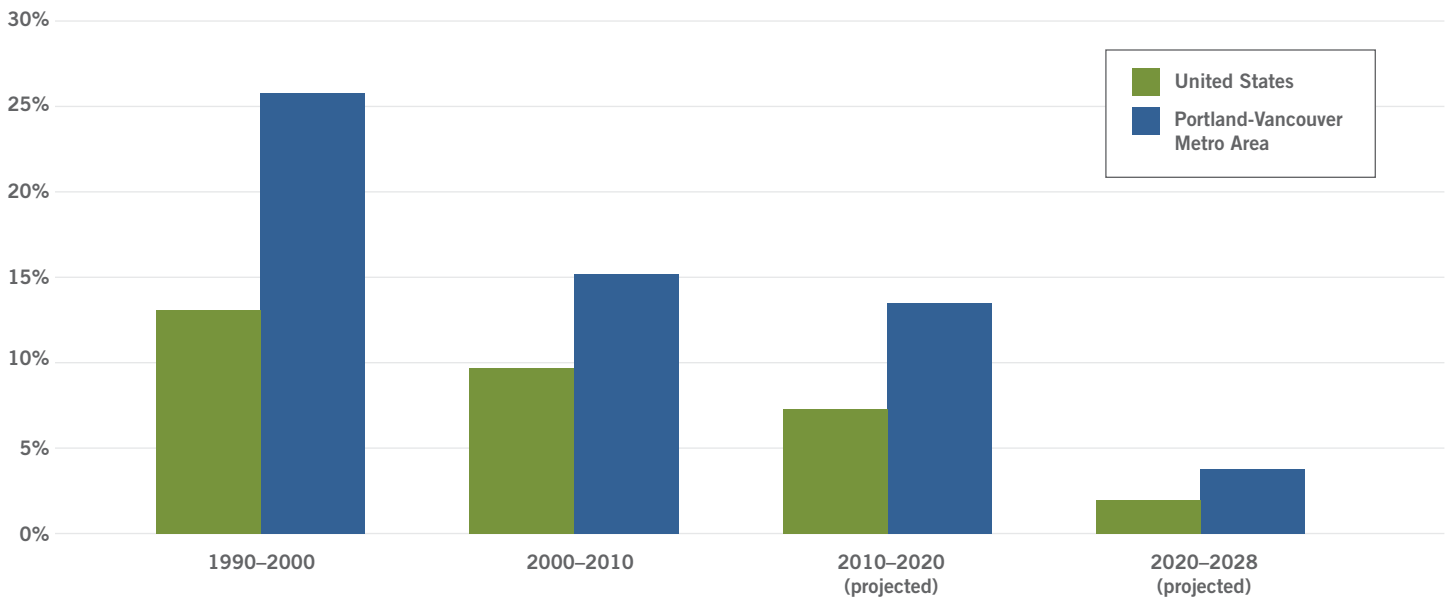
## POPULATION GROWTH: HISTORIC AND PROJECTED

Source: U.S. Census, Oregon Office of Economic Analysis, Washington State Office of Financial Management, Emsi



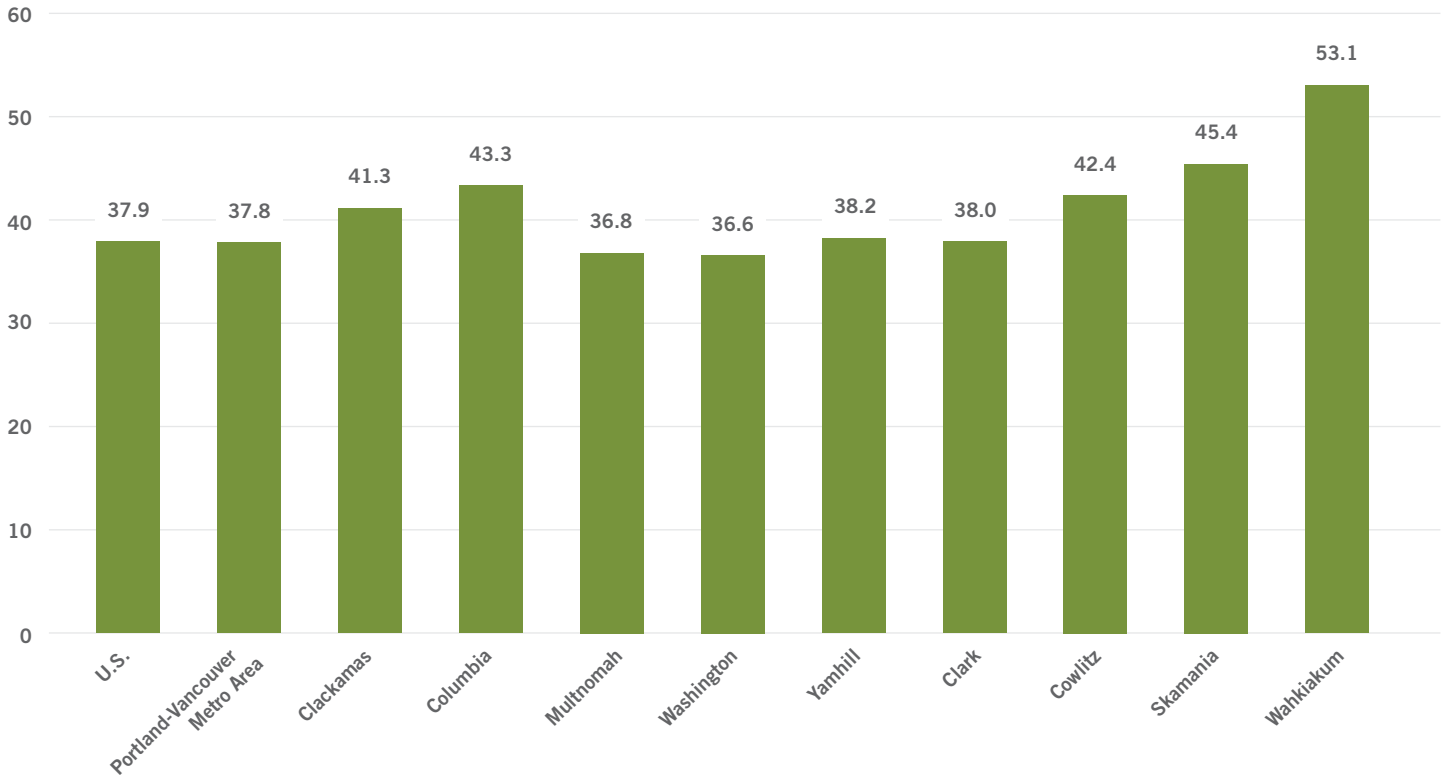
## POPULATION GROWTH: HISTORIC AND PROJECTED

Source: U.S. Census, Oregon Office of Economic Analysis, Washington State Office of Financial Management, Emsi



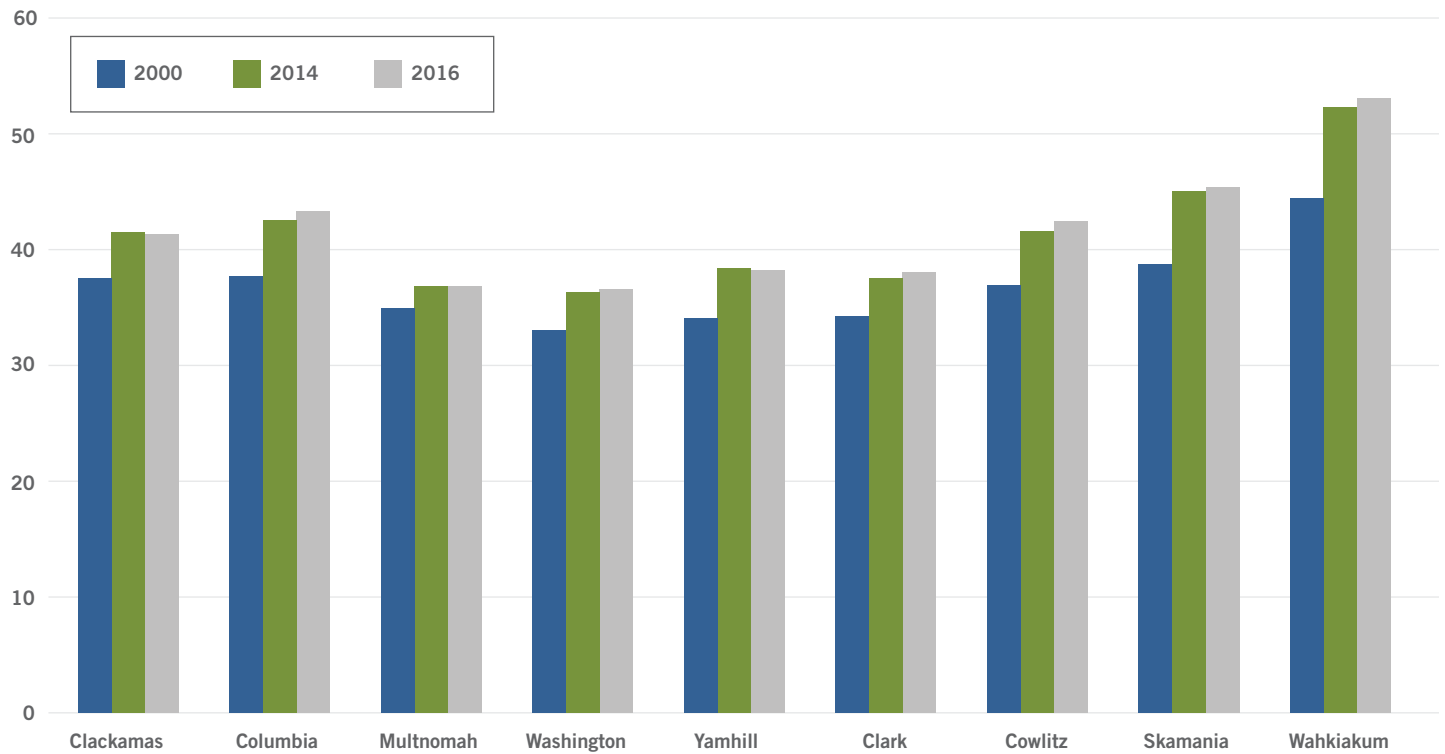
## MEDIAN AGE: 2016

Source: U.S. Census



## MEDIAN AGE OVER TIME

Source: U.S. Census



## COUNTY POPULATION BY AGE: 2017

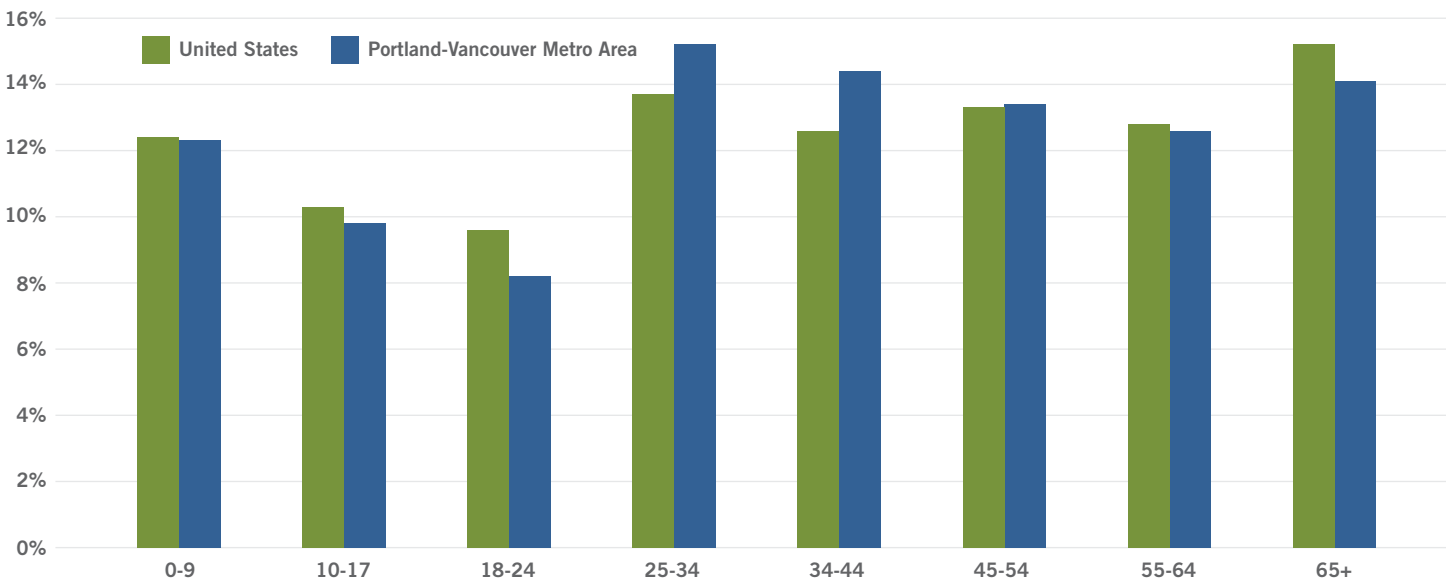
Source: Emsi

Population Distribution (#)									
Age Range	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum
0-14	73,463	8,740	132,076	114,994	19,443	95,225	19,645	1,800	574
15-19	24,872	3,118	40,944	36,553	7,688	31,183	6,365	657	224
20-24	22,829	2,592	48,010	35,158	7,701	27,362	5,718	546	169
25-34	50,411	5,809	150,475	90,476	12,908	61,586	12,669	1,139	299
35-54	108,646	13,182	237,914	167,027	26,145	124,995	25,412	2,989	839
55-64	59,025	7,865	94,831	69,203	13,669	60,839	15,183	2,170	699
65+	73,468	9,546	105,058	77,115	18,046	72,228	20,467	2,246	1,337

Population Distribution (%)									
Age Range	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum
0-14	18%	17%	16%	19%	18%	20%	19%	16%	14%
15-19	6%	6%	5%	6%	7%	7%	6%	6%	5%
20-24	6%	5%	6%	6%	7%	6%	5%	5%	4%
25-34	12%	11%	19%	15%	12%	13%	12%	10%	7%
35-54	26%	26%	29%	28%	25%	26%	24%	26%	20%
55-64	14%	15%	12%	12%	13%	13%	14%	19%	17%
65+	18%	19%	13%	13%	17%	15%	19%	19%	32%

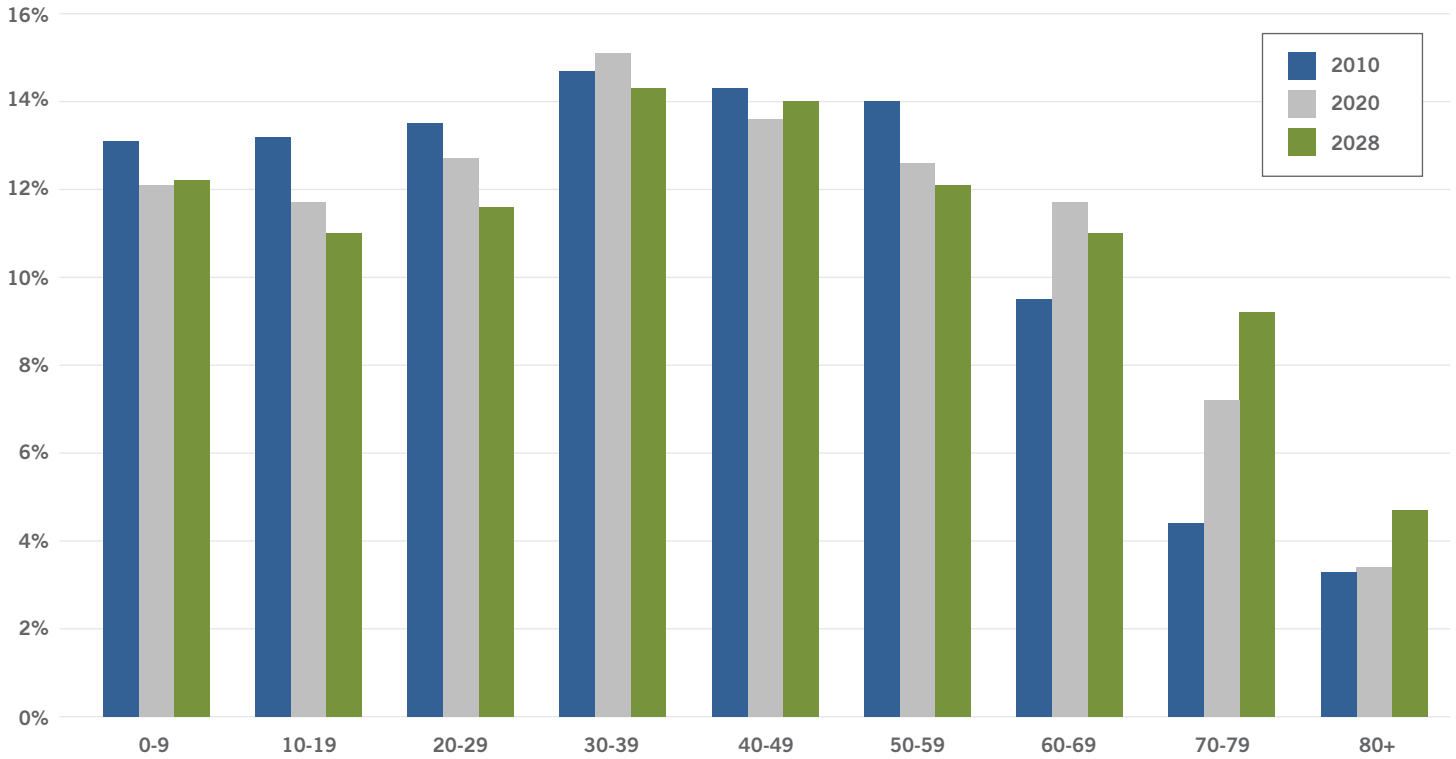
## DISTRIBUTION OF POPULATION BY AGE: 2016

Source: U.S. Census



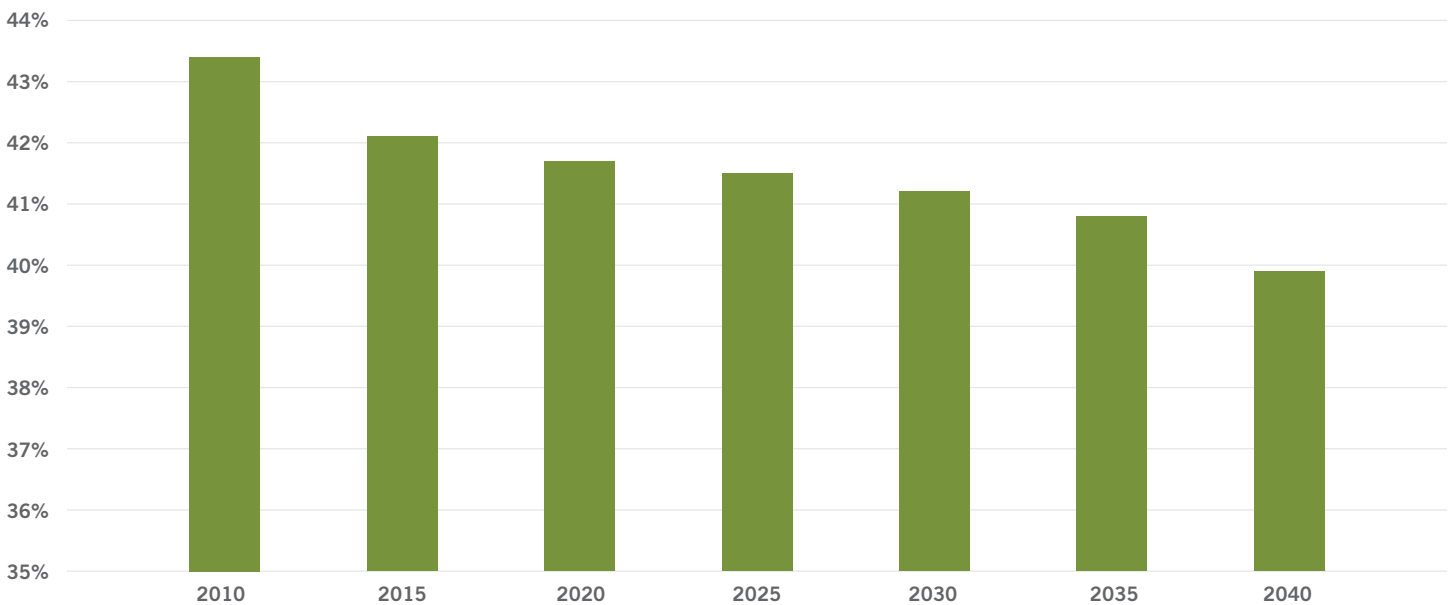
## POPULATION PROJECTIONS BY AGE: PORTLAND-VANCOUVER METRO AREA

Source: Emsi



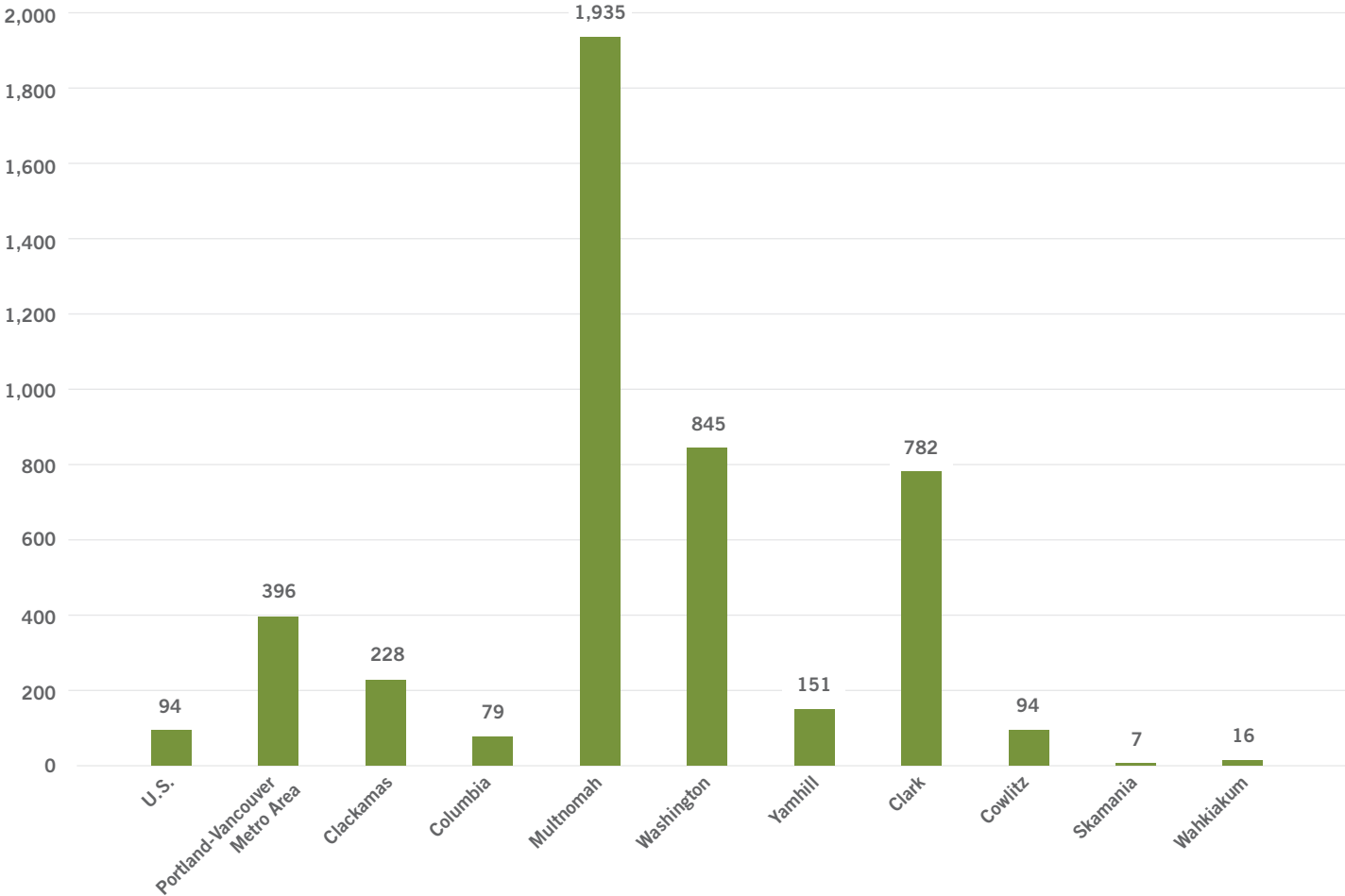
## PRIME WORKING-AGE POPULATION (AGES 25-54) SHARE OF POPULATION: CURRENT AND PROJECTED PORTLAND-VANCOUVER METRO AREA

Source: Oregon Office of Economic Analysis, Washington Office of Financial Management



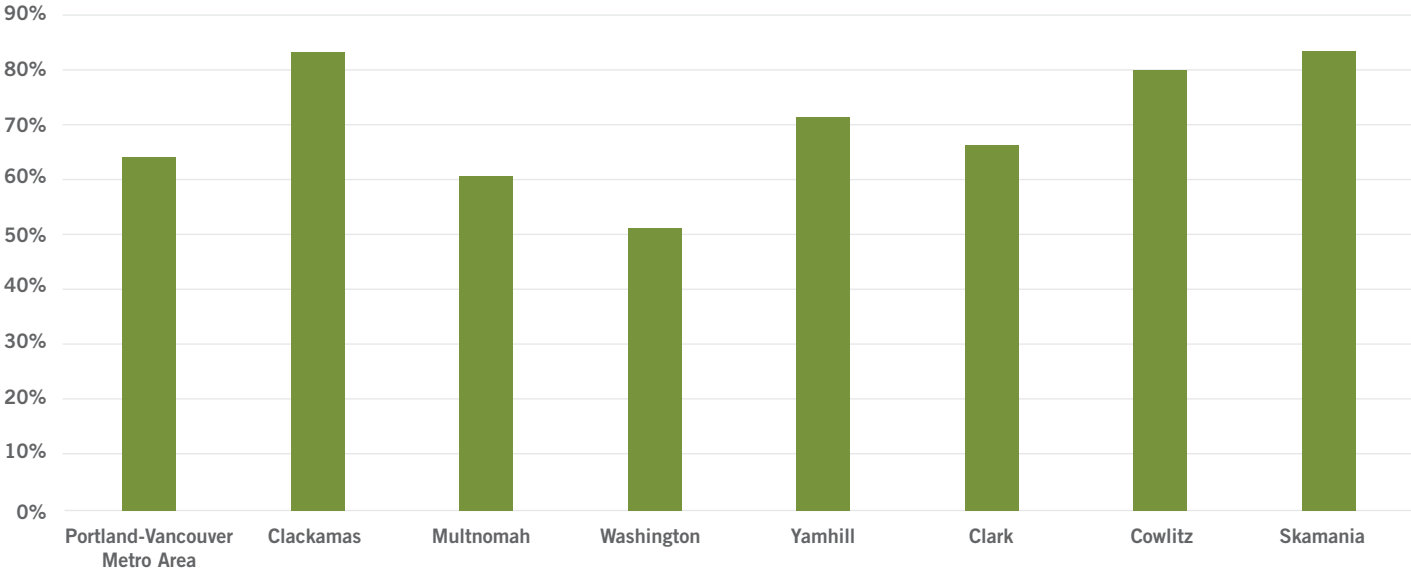
# POPULATION PER SQUARE MILE: 2017

Source: Emsi, U.S. Census



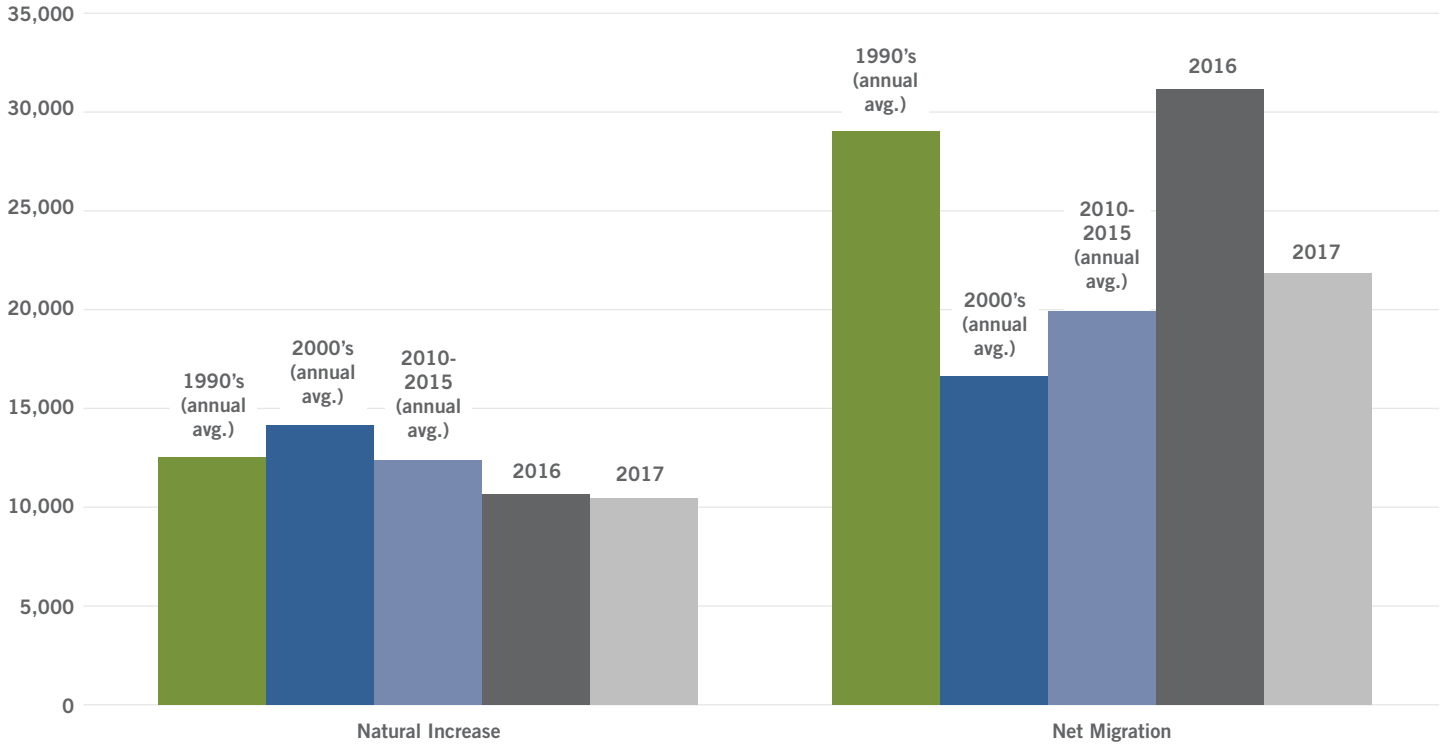
# NET MIGRATION AS A PERCENT OF POPULATION GROWTH: 2010-2017

Source: U.S. Census



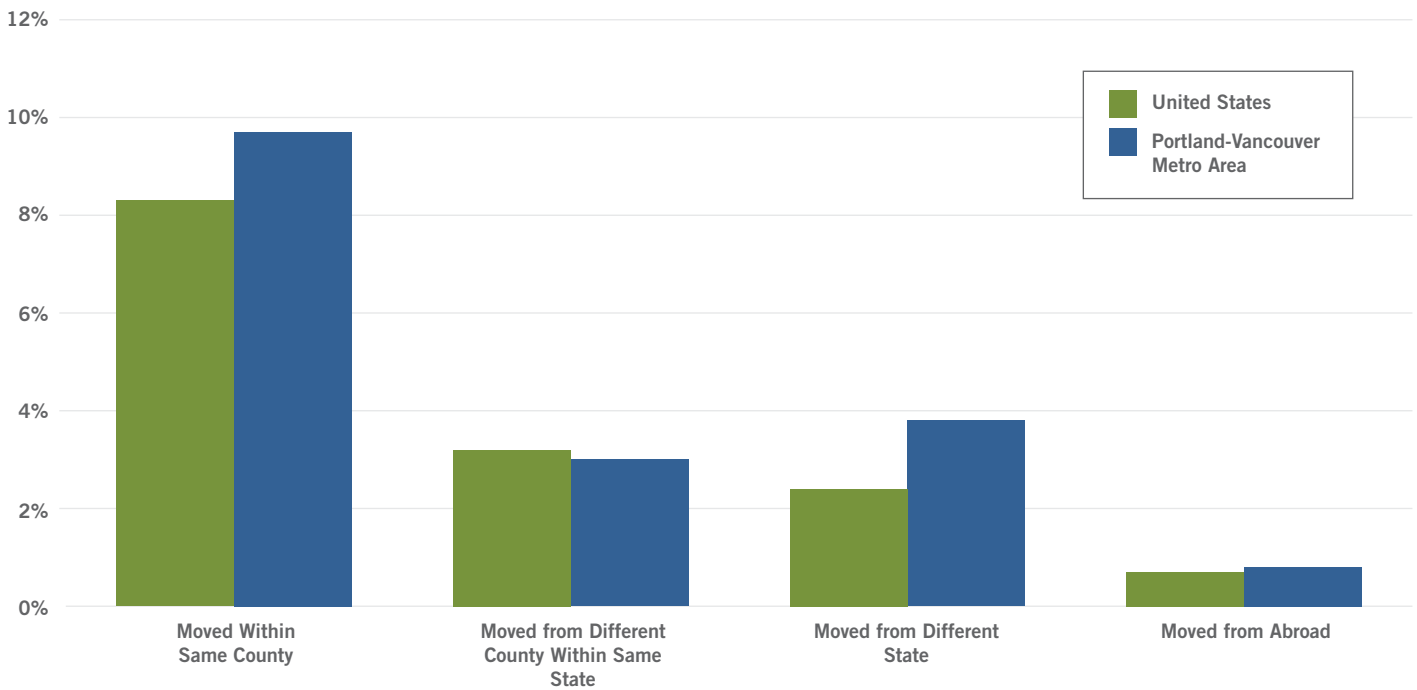
## COMPONENTS OF POPULATION GROWTH: PORTLAND-VANCOUVER METRO AREA

Source: Portland State University's Population Research Center, Washington Office of Financial Mgmt., Census



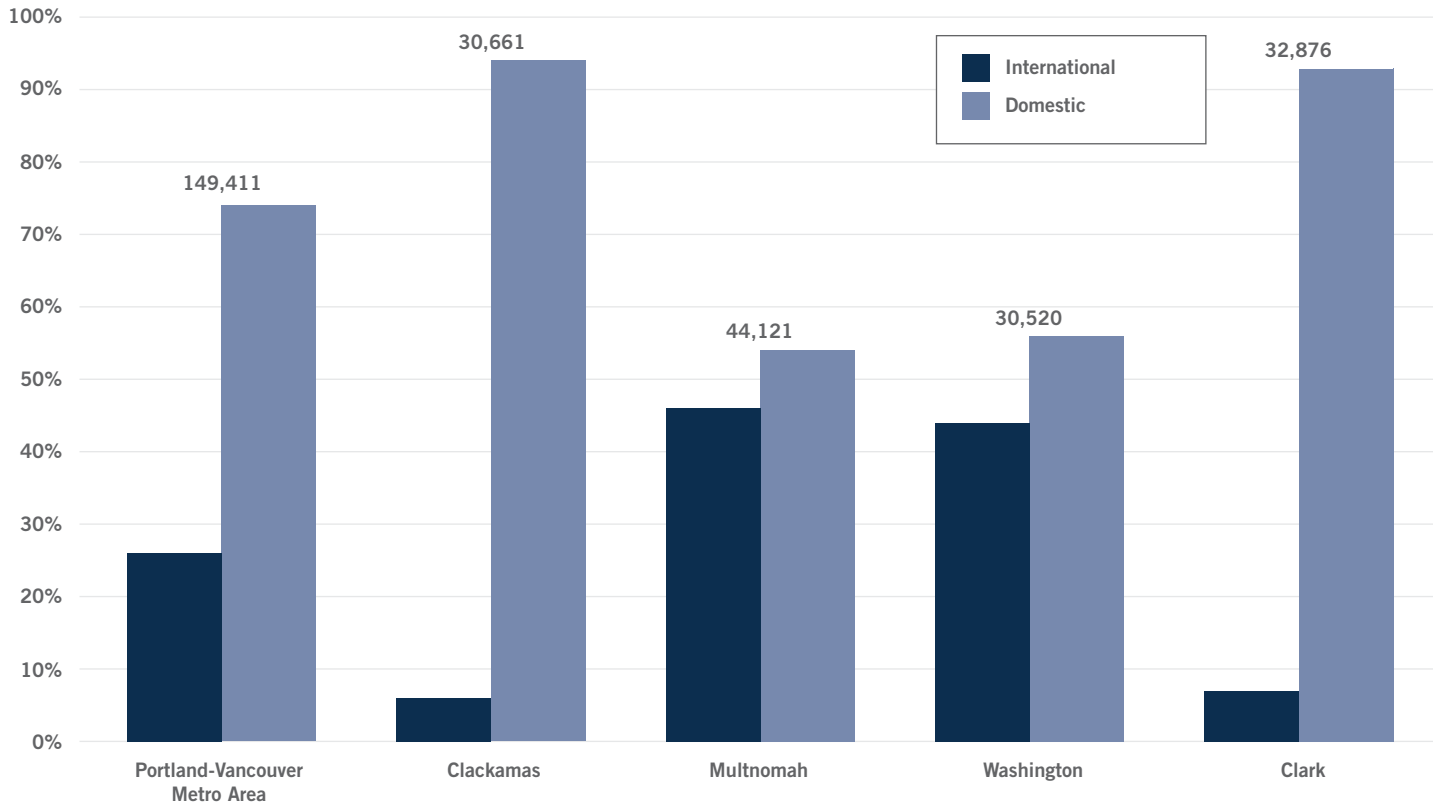
## GEOGRAPHIC MOBILITY IN THE PAST YEAR SHARE OF TOTAL POPULATION: 2016

Source: U.S. Census



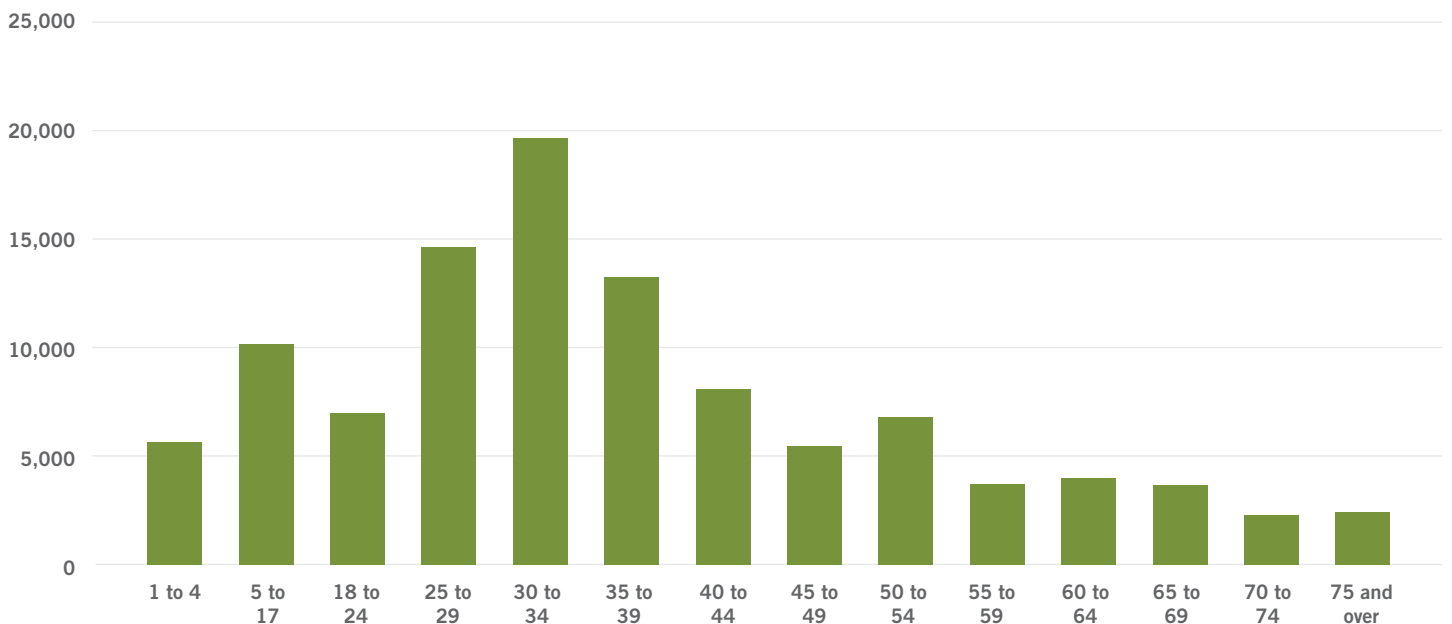
## NET MIGRATION BY COMPONENT: 2010-2017

Source: U.S. Census



## IN-MIGRATION BY AGE, PORTLAND-VANCOUVER METRO AREA: 2016 MOVING FROM DIFFERENT STATE OR ABROAD IN PAST YEAR

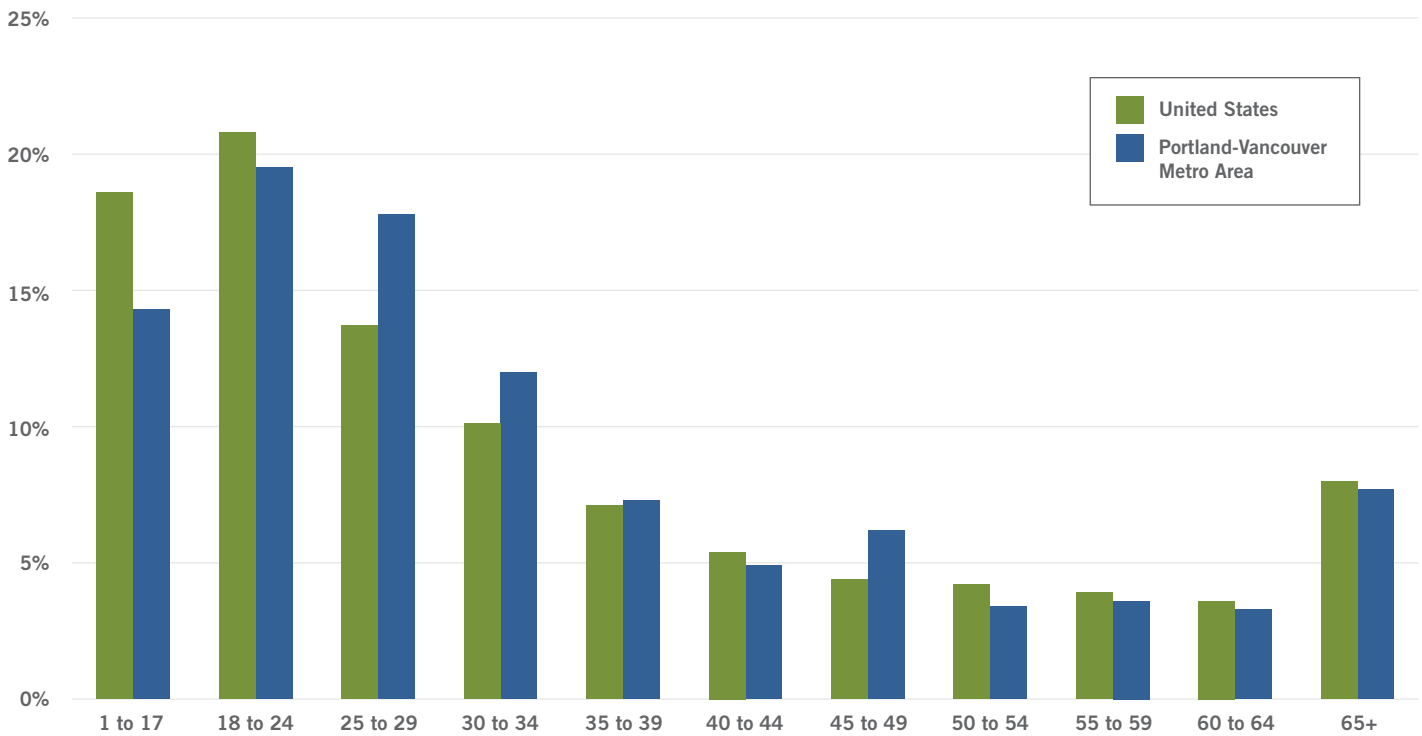
Source: U.S. Census





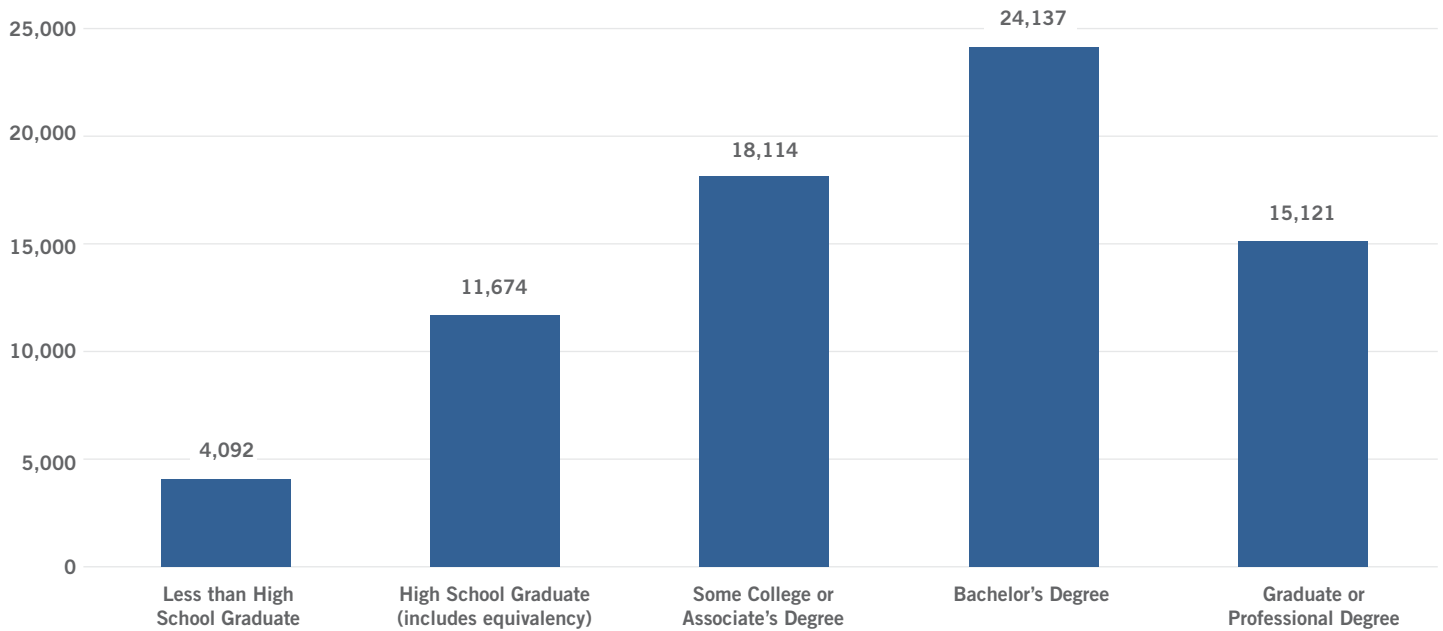
## IN-MIGRATION BY AGE: 2016 MOVING FROM DIFFERENT STATE OR ABROAD IN PAST YEAR

*Source: U.S. Census*



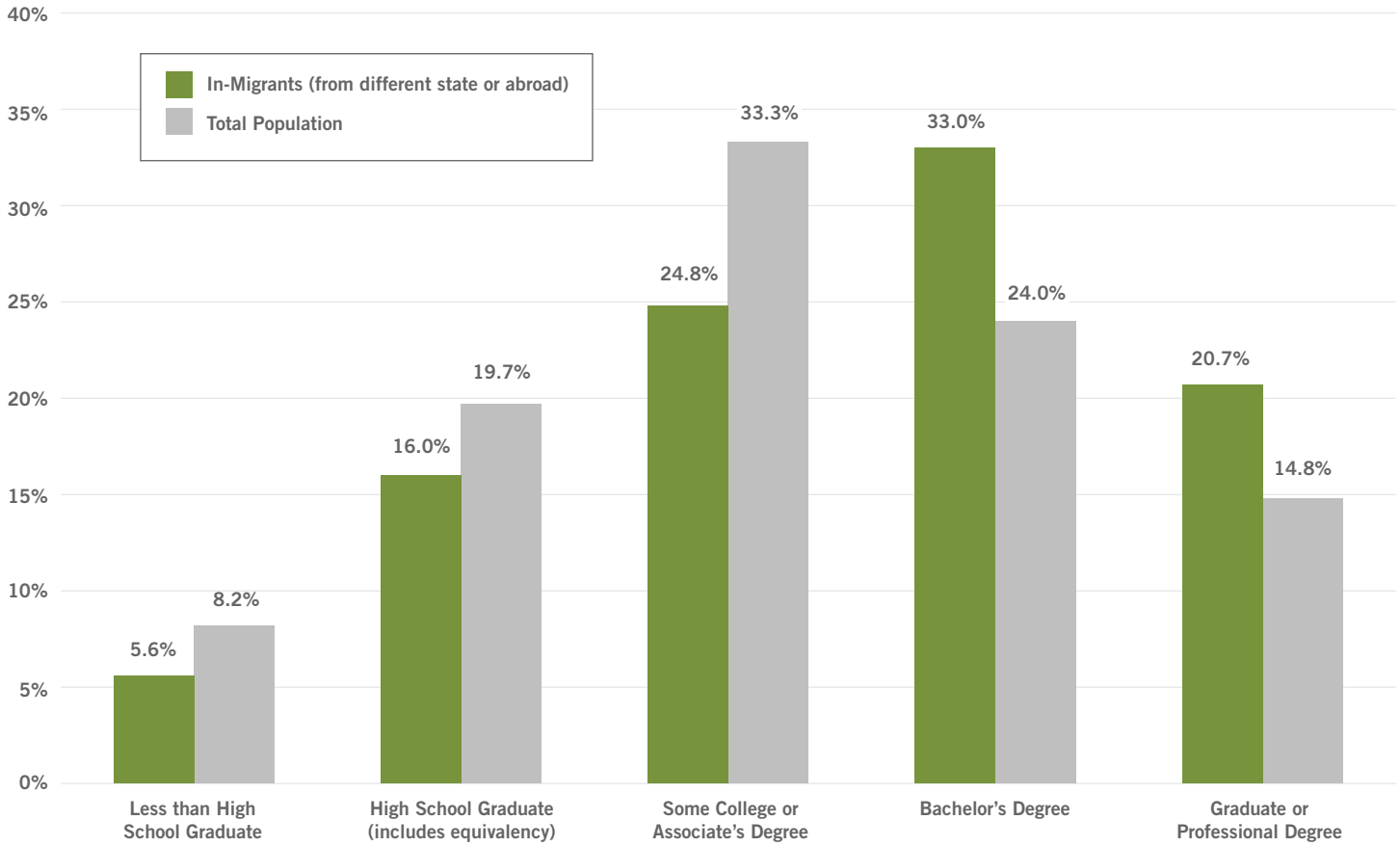
## IN-MIGRATION BY EDUCATIONAL ATTAINMENT (25+ YEARS) MOVING FROM DIFFERENT STATE OR ABROAD IN PAST YEAR PORTLAND-VANCOUVER METRO AREA: 2016

*Source: U.S. Census*



# IN-MIGRATION BY EDUCATIONAL ATTAINMENT RECENT IN-MIGRANTS COMPARED TO TOTAL POPULATION PORTLAND-VANCOUVER METRO AREA: 2016

Source: U.S. Census



# RACE AND ETHNICITY

## POPULATION BY RACE: 2016

Source: U.S. Census

Percent						
	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
White	87.7%	78.8%	79.1%	87.6%	84.5%	90.4%
Black or African American	1.1%	5.7%	2.0%	0.6%	1.7%	0.4%
American Indian and Alaska Native	0.9%	0.7%	0.4%	1.7%	0.4%	1.3%
Asian	4.0%	7.0%	10.6%	1.7%	4.9%	0.9%
Native Hawaiian and Other Pacific Islander	0.2%	0.6%	0.4%	0.3%	0.8%	0.1%
Some Other Race	2.1%	2.0%	6.5%	3.2%	3.2%	1.7%
Two or More Races	4.0%	5.2%	1.0%	5.0%	4.5%	5.3%

Number						
	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
White	357,854	630,308	439,014	91,961	394,477	95,117
Black or African American	4,548	45,410	10,846	611	8,011	403
American Indian and Alaska Native	3,639	5,658	2,252	1,755	2,095	1,316
Asian	16,159	56,252	58,739	1,804	22,913	926
Native Hawaiian and Other Pacific Islander	626	4,647	2,262	367	3,821	69
Some Other Race	8,713	16,182	35,964	3,317	14,914	1,800
Two or More Races	16,523	41,309	5,598	5,220	20,787	5,529
White & Black or African American	2,120	7,431	6,982	763	5,138	992
White & American Indian and Alaska Native	4,593	9,585	9,732	1,716	5,770	2,585
White & Asian	5,887	12,957	29	545	3,985	1,091
Black or African American and American Indian and Alaska Native	0	236	-	67	284	0
<b>Total Population</b>	<b>408,062</b>	<b>799,766</b>	<b>554,675</b>	<b>105,035</b>	<b>467,018</b>	<b>105,160</b>

Excludes Columbia, Wahkiakum, and Skamania

# HISPANIC POPULATION

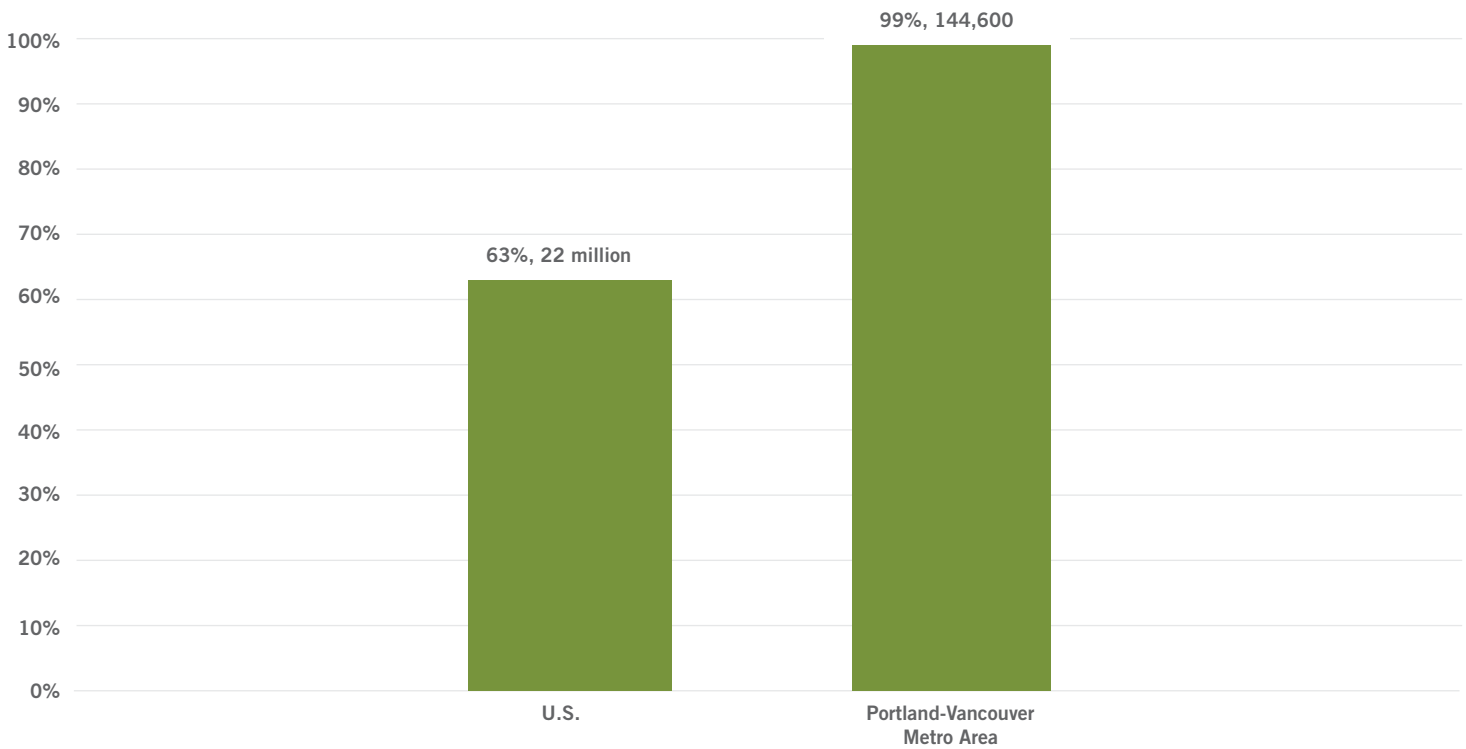
Source: U.S. Census

	U.S.	Portland-Vancouver Metro Area	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
<b>2000</b>	35,305,818	145,980	16,744	49,607	49,735	9,017	16,248	4,231
<b>2016</b>	57,398,719	290,550	34,415	90,821	96,042	16,519	43,510	9,243
<b>Growth (#)</b>	22,092,901	144,570	17,671	41,214	46,307	7,502	27,262	5,012
<b>Growth (%)</b>	63%	99%	106%	83%	93%	83%	168%	118%

Excludes Columbia, Wahkiakum, and Skamania

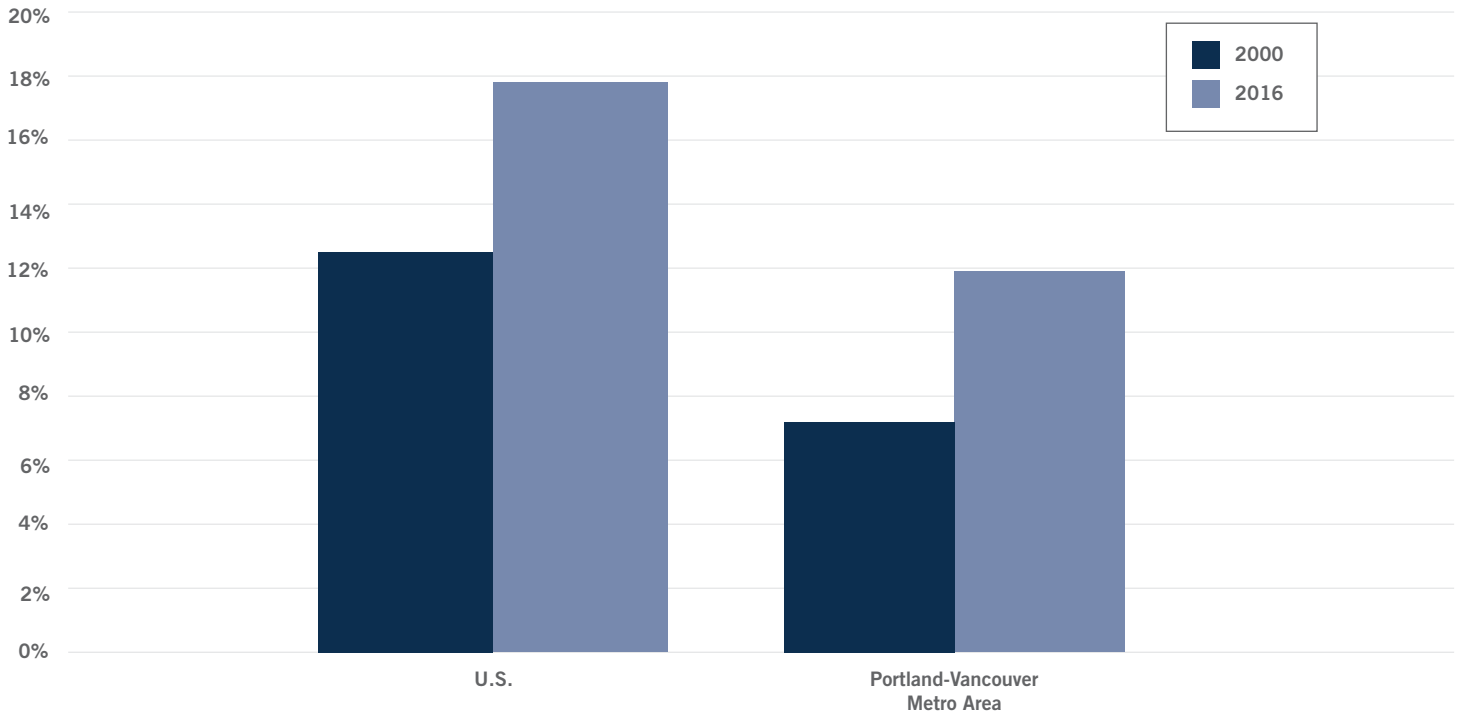
## GROWTH IN HISPANIC/LATINO POPULATION: 2000-2016

Source: U.S. Census



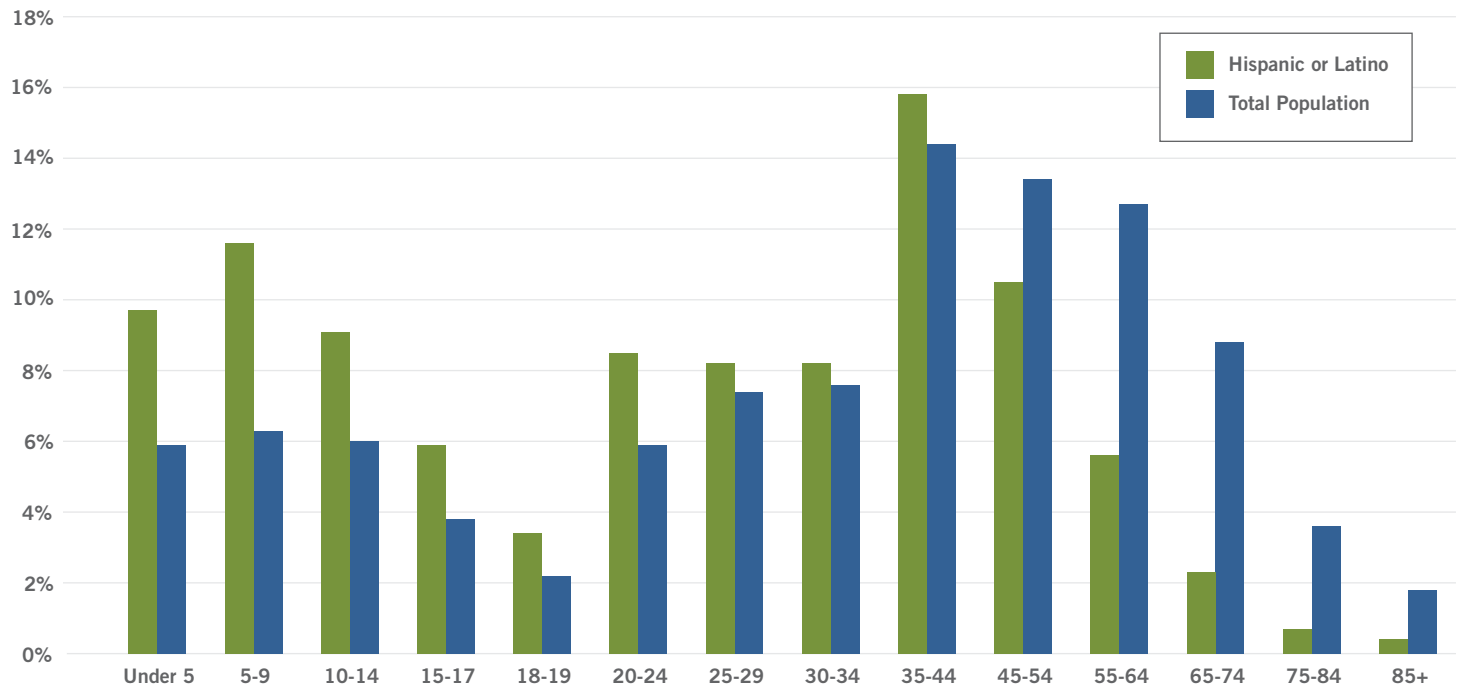
## HISPANIC/LATINO POPULATION AS A % OF TOTAL: 2000 AND 2016

Source: U.S. Census



## SHARE OF POPULATION BY AGE AND ETHNICITY PORTLAND-VANCOUVER METRO AREA: 2016

Source: U.S. Census



## RACIAL COMPOSITION OVER TIME

Source: U.S. Census

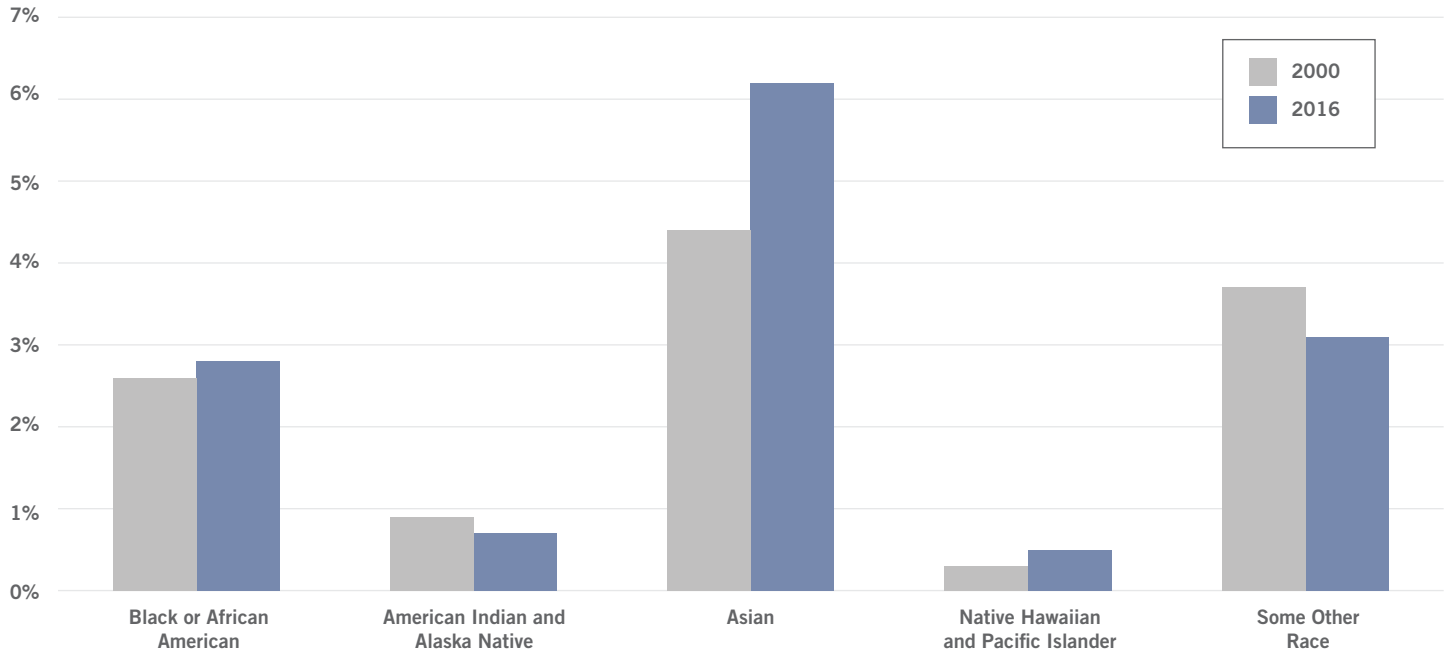
Population by Race: 2016								
	U.S.	Portland-Vancouver Metro Area	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
<b>Total Population</b>	<b>323,127,515</b>	<b>2,530,485</b>	<b>408,062</b>	<b>799,766</b>	<b>582,779</b>	<b>105,035</b>	<b>467,018</b>	<b>105,160</b>
<b>White</b>	234,644,039	2,067,019	357,854	630,308	439,014	91,961	394,477	95,117
<b>Black or African American</b>	40,893,369	70,101	4,548	45,410	10,846	611	8,011	403
<b>American Indian and Alaska Native</b>	2,676,399	17,353	3,639	5,658	2,252	1,755	2,095	1,316
<b>Asian</b>	17,556,935	157,473	16,159	56,252	58,739	1,804	22,913	926
<b>Native Hawaiian and Other Pacific Islander</b>	595,986	12,009	4,087	12,180	8,702	-	2,888	69
<b>Some Other Race</b>	16,334,352	79,209	8,713	16,182	33,702	3,317	14,914	1,800
<b>Two or More Races</b>	10,426,435	127,321	16,523	41,309	35,964	5,220	20,787	5,529

Population by Race: 2000								
	U.S.	Portland-Vancouver Metro Area	Clackamas	Multnomah	Washington	Yamhill	Clark	Cowlitz
<b>Total Population</b>	<b>281,421,906</b>	<b>2,020,829</b>	<b>338,391</b>	<b>660,486</b>	<b>445,342</b>	<b>84,992</b>	<b>345,238</b>	<b>92,948</b>
<b>White</b>	211,460,626	1,715,509	308,852	522,825	366,007	75,628	306,648	85,326
<b>Black or African American</b>	34,658,190	51,937	2,233	37,434	5,119	721	5,813	482
<b>American Indian and Alaska Native</b>	2,475,956	18,491	2,416	6,785	2,913	1,253	2,910	1,417
<b>Asian</b>	10,242,998	89,199	8,292	37,638	29,752	908	11,095	1,206
<b>Native Hawaiian and Other Pacific Islander</b>	398,835	5,776	569	2,320	1,325	104	1,274	124
<b>Some Other Race</b>	15,359,073	74,139	7,699	26,620	26,100	4,321	6,857	1,958
<b>Two or More Races</b>	6,826,228	65,778	8,330	26,864	14,126	2,057	10,641	2,435

Portland-Vancouver metro area excludes Wahkiakum  
2016 data unavailable for Columbia, Skamania, Wahkiakum counties. Native Hawaiian data unavailable for Yamhill County.

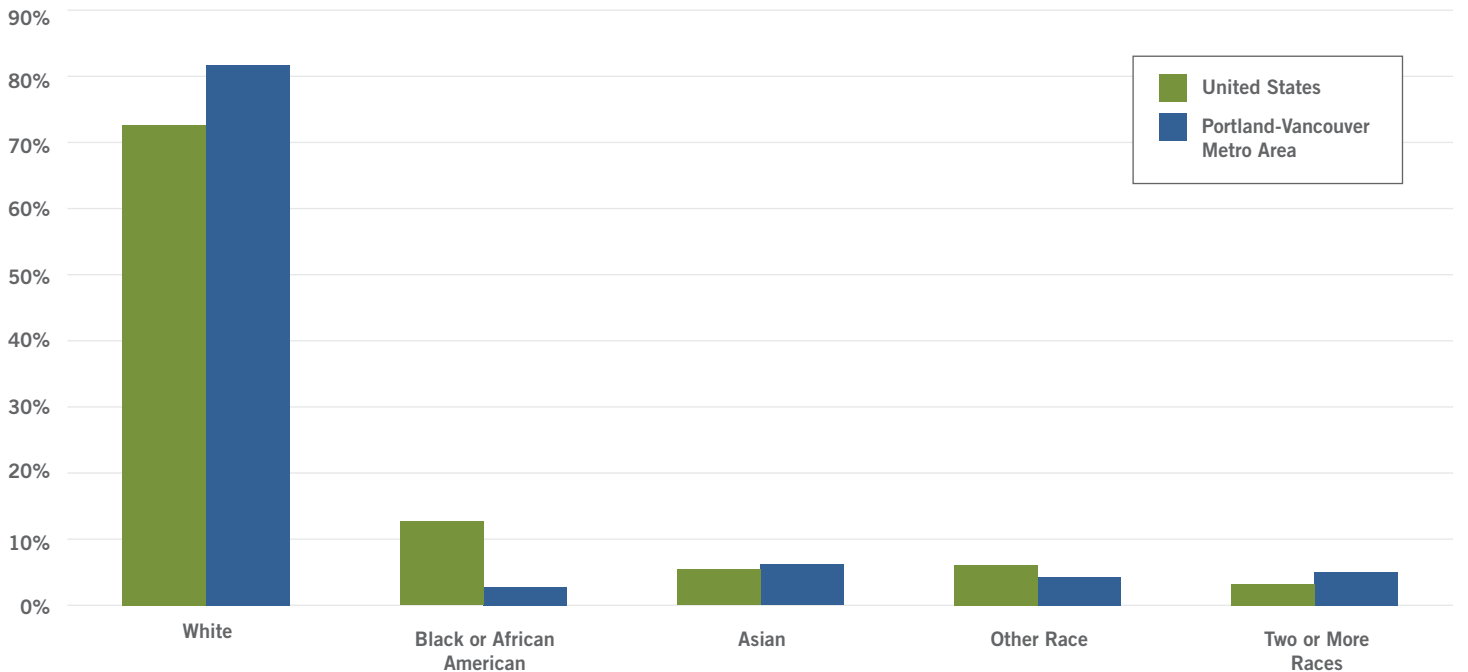
## SHARE OF POPULATION BY RACE PORTLAND-VANCOUVER METRO AREA: 2000 AND 2016

Source: U.S. Census



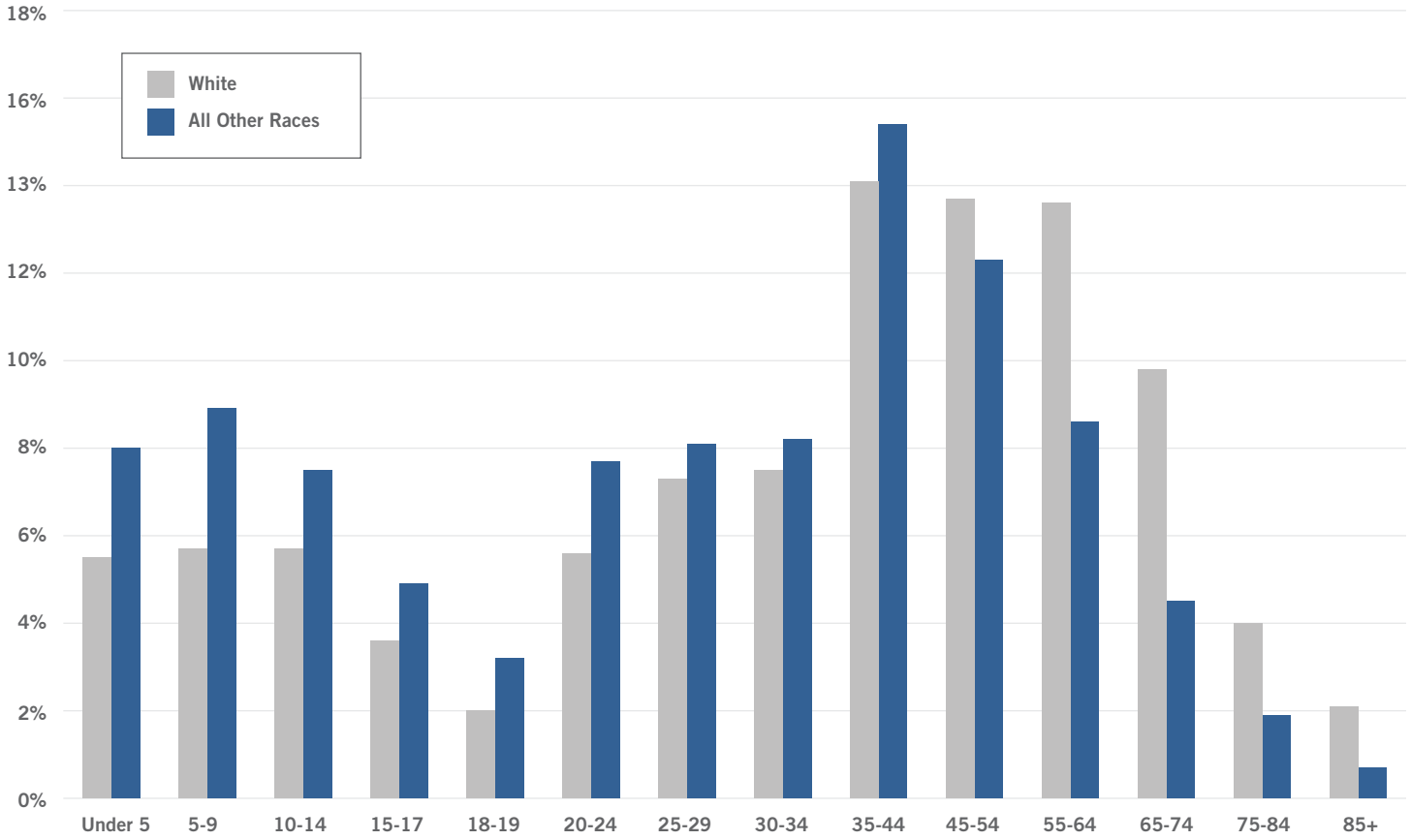
## DISTRIBUTION OF POPULATION BY RACE: 2016

Source: U.S. Census



# SHARE OF POPULATION BY AGE AND RACE PORTLAND-VANCOUVER METRO AREA: 2016

Source: U.S. Census

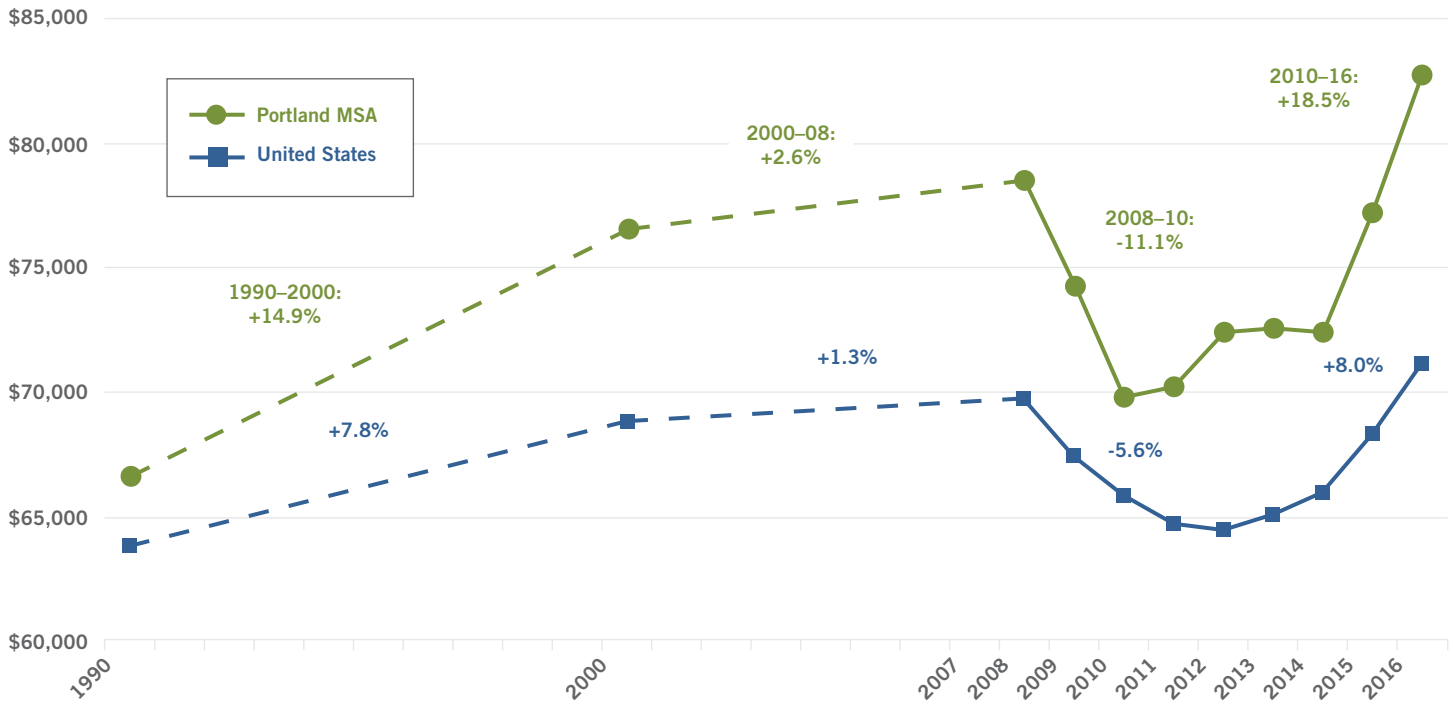




# INCOME

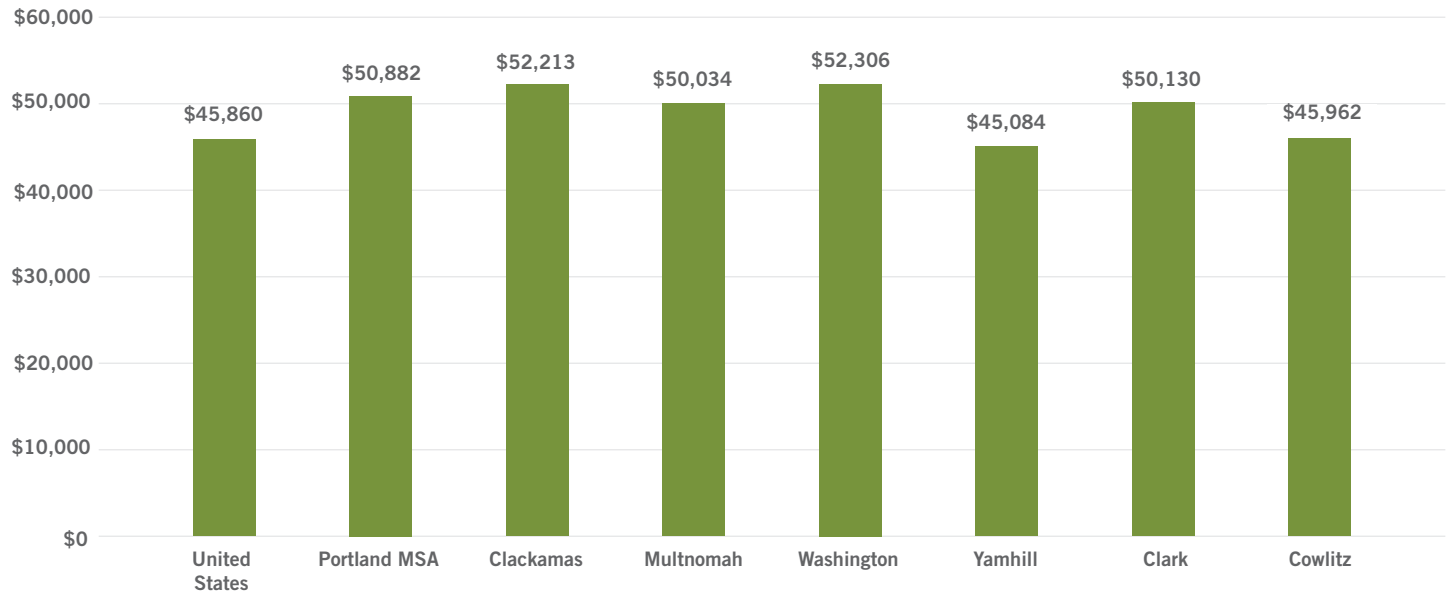
## MEDIAN FAMILY INCOME: 1990-2016 (IN 2016 DOLLARS)

Source: U.S. Census



## MEDIAN EARNINGS OF FULL-TIME, YEAR-ROUND WORKERS: 2016

Source: U.S. Census



## MEDIAN INCOME (2016 DOLLARS)

Source: U.S. Census

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	-13.1%	-4.9%	-8.1%	-8.4%	-10.0%	-10.3%	-18.5%	6.6%	-3.7%	-11.0%	-5.9%
2010-2016	20.4%	12.4%	20.1%	15.2%	12.8%	15.8%	13.6%	14.2%	9.9%	19.2%	6.0%

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	-7.5%	-3.6%	-9.2%	-7.9%	-11.8%	-8.4%	-14.7%	9.0%	-21.6%	-8.8%	-4.4%
2010-2016	16.4%	-6.4%	23.8%	13.7%	14.6%	16.7%	17.7%	-1.1%	-3.5%	18.5%	8.0%

Median Household Income (2016 dollars)											
	Clackamas	Columbia*	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania*	Wahkiakum*	Portland Metro Area	U.S.
1990	\$62,524	\$53,446	\$48,774	\$64,399	\$51,265	\$57,599	\$50,473	\$52,125	\$48,849	\$56,279	\$54,440
2000	\$71,598	\$62,961	\$56,748	\$71,656	\$60,643	\$66,506	\$54,712	\$54,052	\$54,227	\$64,720	\$57,732
2010	\$62,206	\$59,870	\$52,159	\$65,671	\$54,606	\$59,629	\$44,571	\$57,629	\$52,238	\$57,625	\$54,333
2016	\$74,891	\$67,287	\$62,629	\$75,634	\$61,596	\$69,062	\$50,637	\$65,824	\$57,411	\$68,676	\$57,617

Median Family Income (2016 dollars)											
	Clackamas	Columbia*	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania*	Wahkiakum*	Portland Metro Area	U.S.
1990	\$72,593	\$62,318	\$60,682	\$75,040	\$58,324	\$65,585	\$65,585	\$56,034	\$53,757	\$66,598	\$63,803
2000	\$83,574	\$70,637	\$70,276	\$84,547	\$69,201	\$74,260	\$63,971	\$61,296	\$65,445	\$76,532	\$68,802
2010	\$77,327	\$68,102	\$63,805	\$77,852	\$61,069	\$68,039	\$54,586	\$66,812	\$51,315	\$69,797	\$65,801
2016	\$90,008	\$63,776	\$78,962	\$88,503	\$69,981	\$79,389	\$64,239	\$66,104	\$49,523	\$82,734	\$71,062

\*2016 data are 5-year estimates  
Data unavailable for Portland-Vancouver metro area

## PER CAPITA PERSONAL INCOME (2016 DOLLARS)

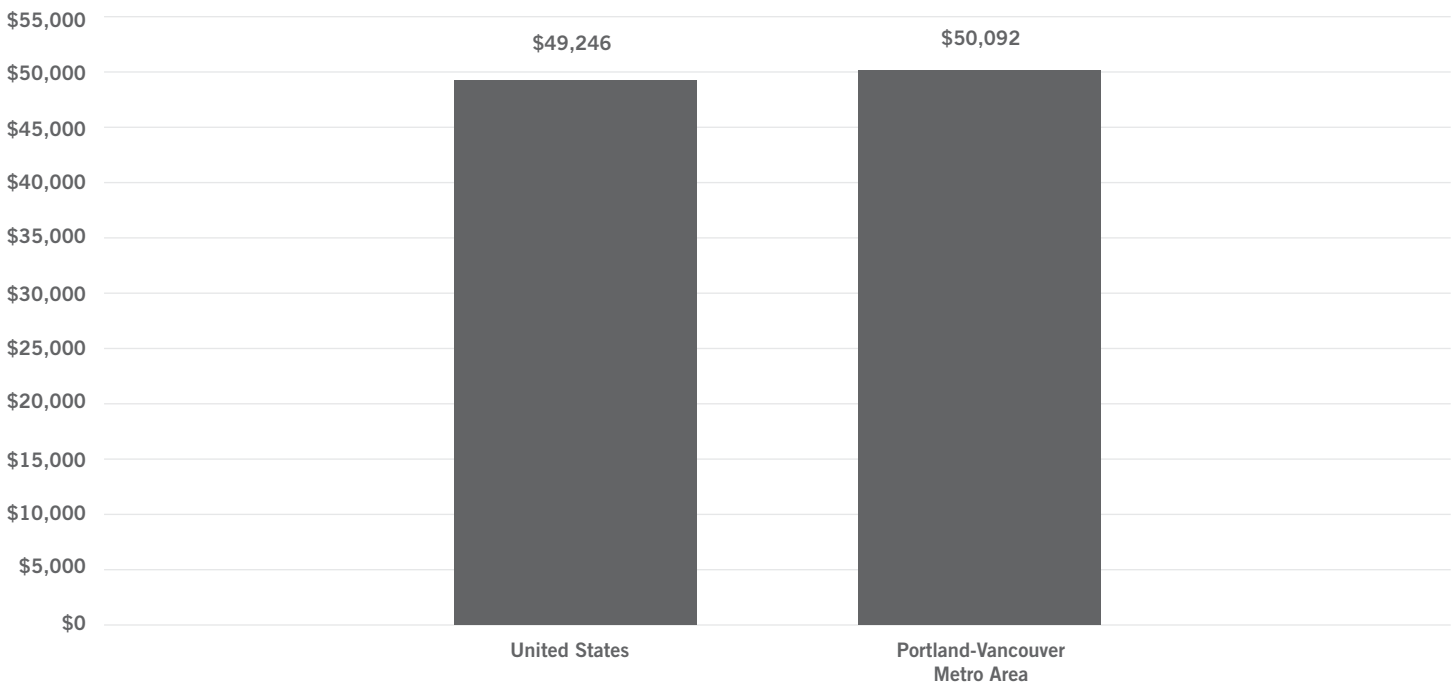
Source: Bureau of Economic Analysis

	U.S.	Portland-Vancouver Metro Area
<b>2000</b>	\$42,071	\$44,725
<b>2016</b>	\$49,246	\$50,092
<b>2000-2016 Change</b>		
<b>Number</b>	\$7,175	\$5,367
<b>Percent</b>	17.1%	12.0%

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum
<b>2000</b>	\$51,103	\$36,745	\$45,638	\$46,661	\$34,225	\$41,037	\$32,871	\$31,649	\$31,546
<b>2016</b>	\$51,379	\$50,080	\$51,508	\$54,203	\$39,974	\$47,078	\$41,449	\$46,565	\$45,932
<b>2000-2016 Change</b>									
<b>Number</b>	\$276	\$13,335	\$5,870	\$7,542	\$5,749	\$6,041	\$8,578	\$14,916	\$14,386
<b>Percent</b>	0.5%	36.3%	12.9%	16.2%	16.8%	14.7%	26.1%	47.1%	45.6%

## PER CAPITA PERSONAL INCOME: 2016

Source: U.S. Bureau of Economic Analysis



## PERSONAL INCOME BY SOURCE: 2016

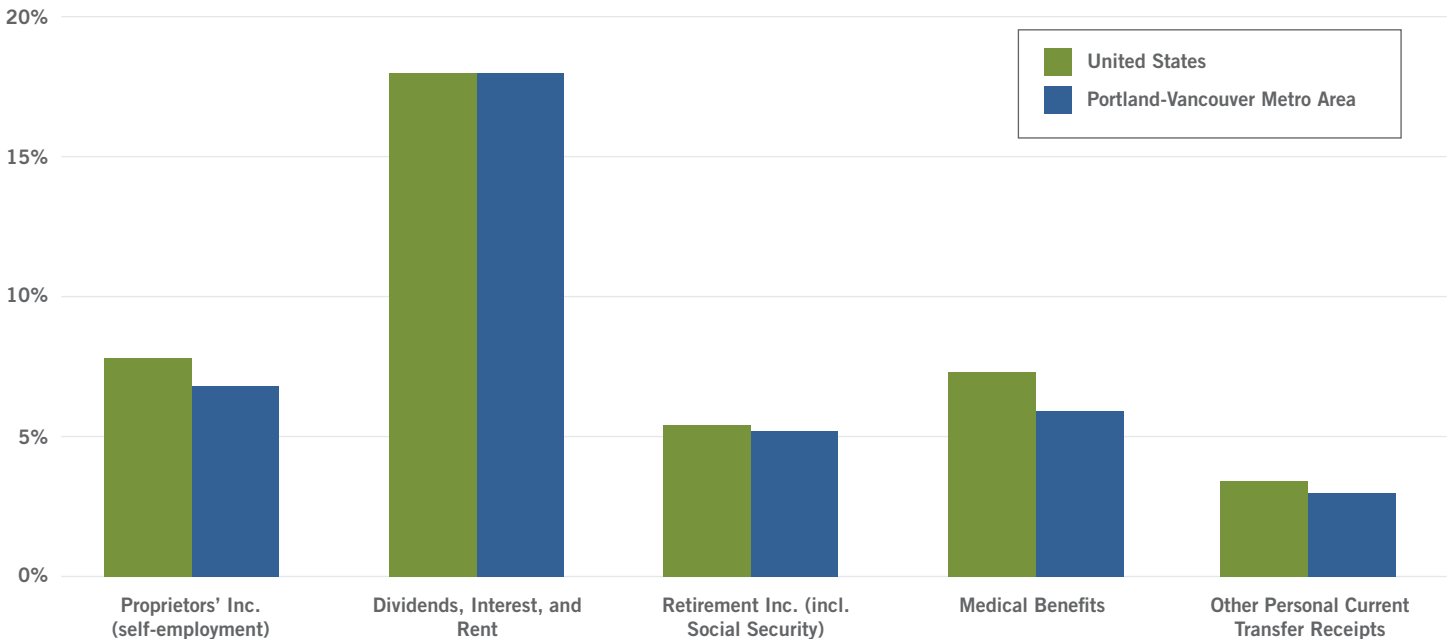
Source: U.S. Bureau of Economic Analysis

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum
<b>Wages and Salaries</b>	54.7%	39.0%	66.8%	65.8%	47.9%	50.8%	50.9%	33.4%	27.5%
<b>Proprietors' Income (self-employment)</b>	6.7%	5.9%	6.7%	6.3%	8.3%	7.4%	8.6%	5.0%	5.5%
<b>Dividends, Interest, and Rent</b>	22.9%	20.4%	15.1%	17.1%	19.9%	22.6%	15.0%	30.9%	30.3%
<b>Retirement Income (incl. Social Security)</b>	7.4%	13.6%	3.6%	4.0%	8.5%	7.6%	9.6%	12.2%	17.1%
<b>Medical Benefits</b>	5.3%	14.7%	5.1%	4.7%	11.0%	7.5%	10.7%	13.1%	14.3%
<b>Other Personal Current Transfer Receipts*</b>	3.0%	6.3%	2.6%	2.1%	4.5%	4.2%	5.2%	5.4%	5.3%

\*e.g. unemployment insurance benefits, veterans benefits

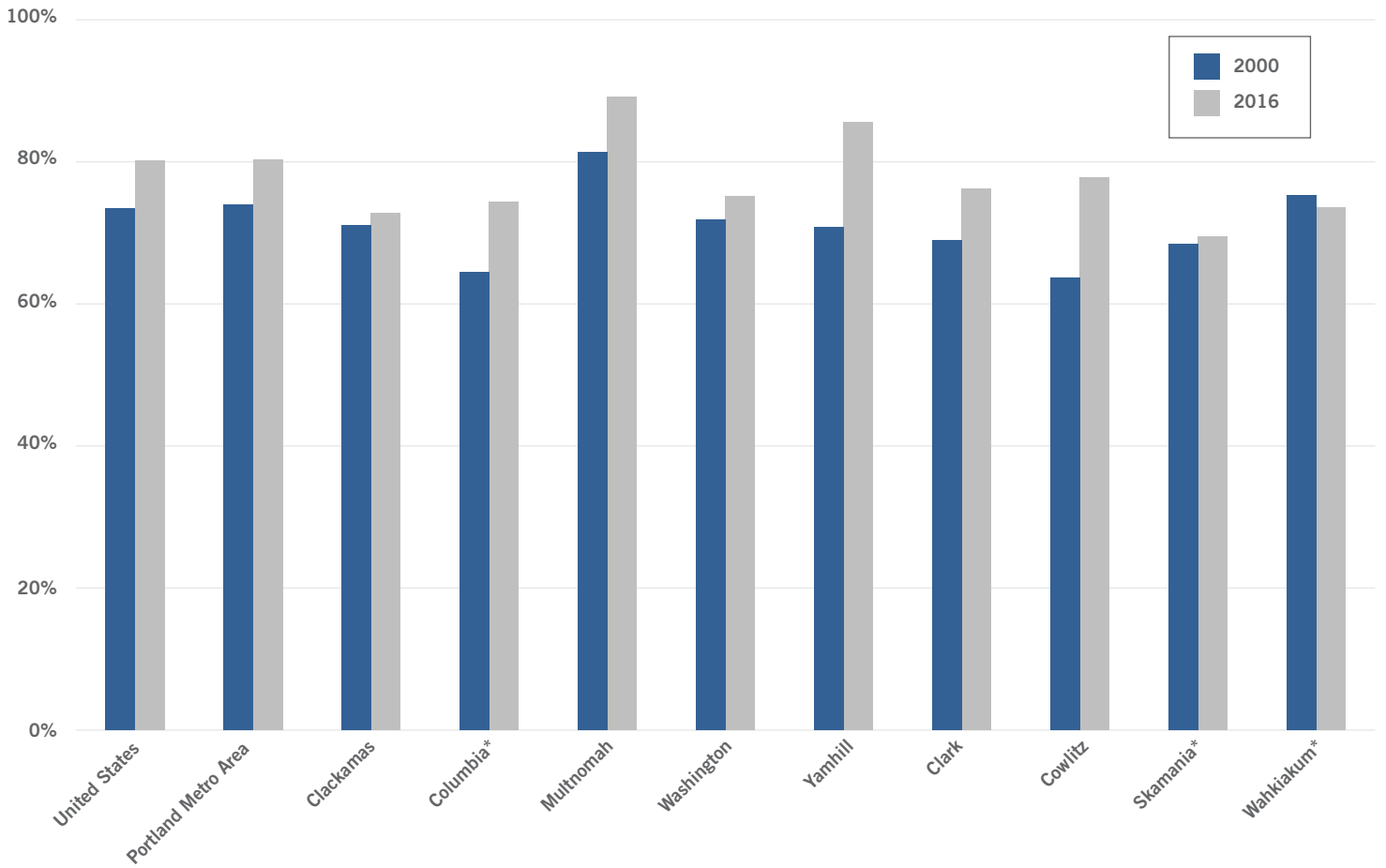
## PERSONAL INCOME BY SOURCE: 2016 (WAGE AND SALARY INCOME NOT INCLUDED)

Source: U.S. Bureau of Economic Analysis



# MEDIAN EARNINGS, FEMALE AS A PERCENT OF MALE: 2000 AND 2016

Source: U.S. Census



\* 5-year estimates

# LABOR FORCE

## CIVILIAN LABOR FORCE: 2017

Source: Emsi

	Labor Force	Employment	Unemployment	Unemployment Rate
<b>United States</b>	160,185,502	153,895,209	6,290,293	3.9%
<b>Portland-Vancouver Metro Area</b>	1,321,244	1,372,304	51,060	3.7%
<b>Clackamas</b>	213,177	220,807	7,630	3.5%
<b>Columbia</b>	23,238	24,383	1,145	4.7%
<b>Multnomah</b>	445,709	460,950	15,241	3.3%
<b>Washington</b>	315,928	326,168	10,240	3.1%
<b>Yamhill</b>	52,713	54,572	1,859	3.4%
<b>Clark</b>	220,606	232,199	11,593	5.0%
<b>Cowlitz</b>	43,684	46,608	2,924	6.3%
<b>Skamania</b>	4,975	5,317	342	6.4%
<b>Wahkiakum</b>	1,214	1,300	86	6.6%

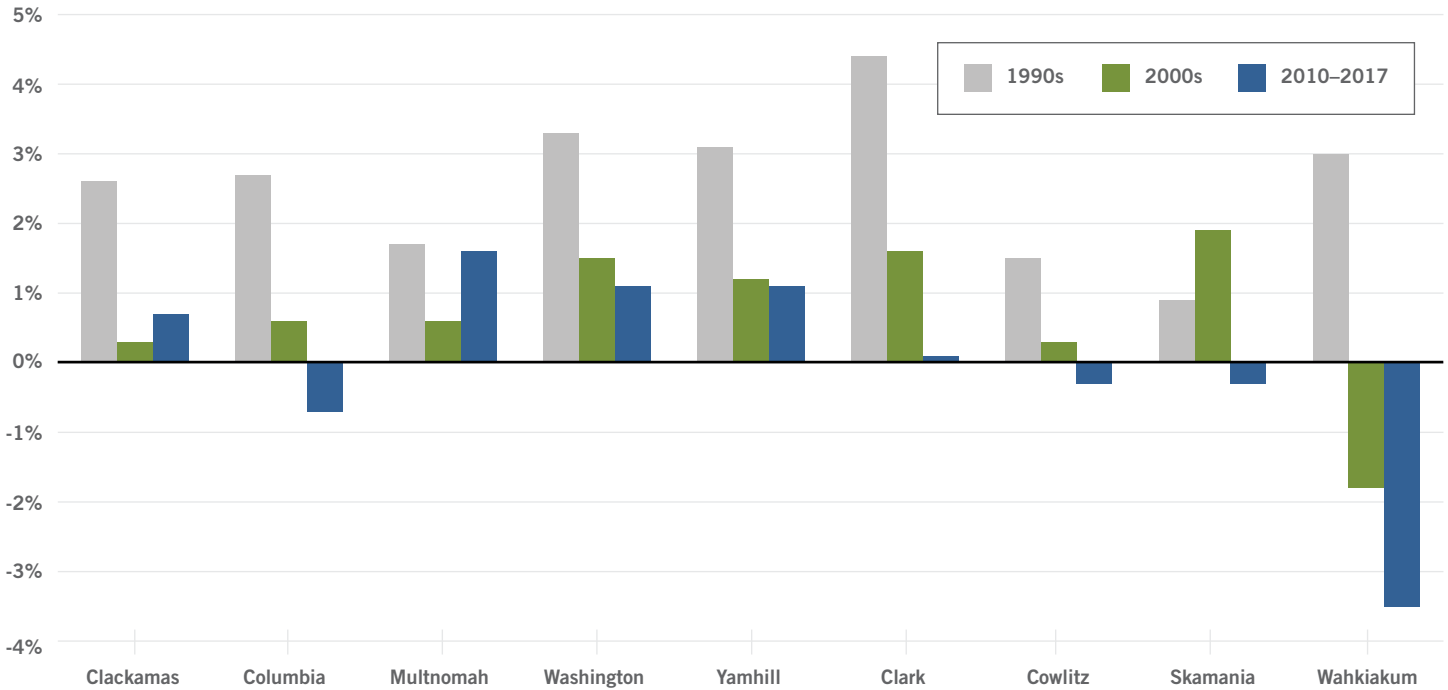
## CIVILIAN LABOR FORCE

Source: Bureau of Labor Statistics

	1997	2007	2017	10-Year Growth 2007-2017	
				#	%
<b>United States</b>	135,456,000	153,144,000	160,185,502	7,041,502	4.6%
<b>Portland-Vancouver Metro Area</b>	1,089,229	1,190,387	1,321,244	130,857	11.0%
<b>Clackamas</b>	193,309	196,402	213,177	16,775	8.5%
<b>Columbia</b>	22,442	23,745	23,238	-507	-2.1%
<b>Multnomah</b>	367,941	379,156	445,709	66,553	17.6%
<b>Washington</b>	238,867	283,981	315,928	31,947	11.2%
<b>Yamhill</b>	41,292	46,583	52,713	6,130	13.2%
<b>Clark</b>	176,972	209,985	220,606	10,621	5.1%
<b>Cowlitz</b>	42,332	43,809	43,684	-125	-0.3%
<b>Skamania</b>	4,189	5,059	4,975	-84	-1.7%
<b>Wahkiakum</b>	1,885	1,667	1,214	-453	-27.2%

## CIVILIAN LABOR FORCE: AVERAGE ANNUAL GROWTH RATES

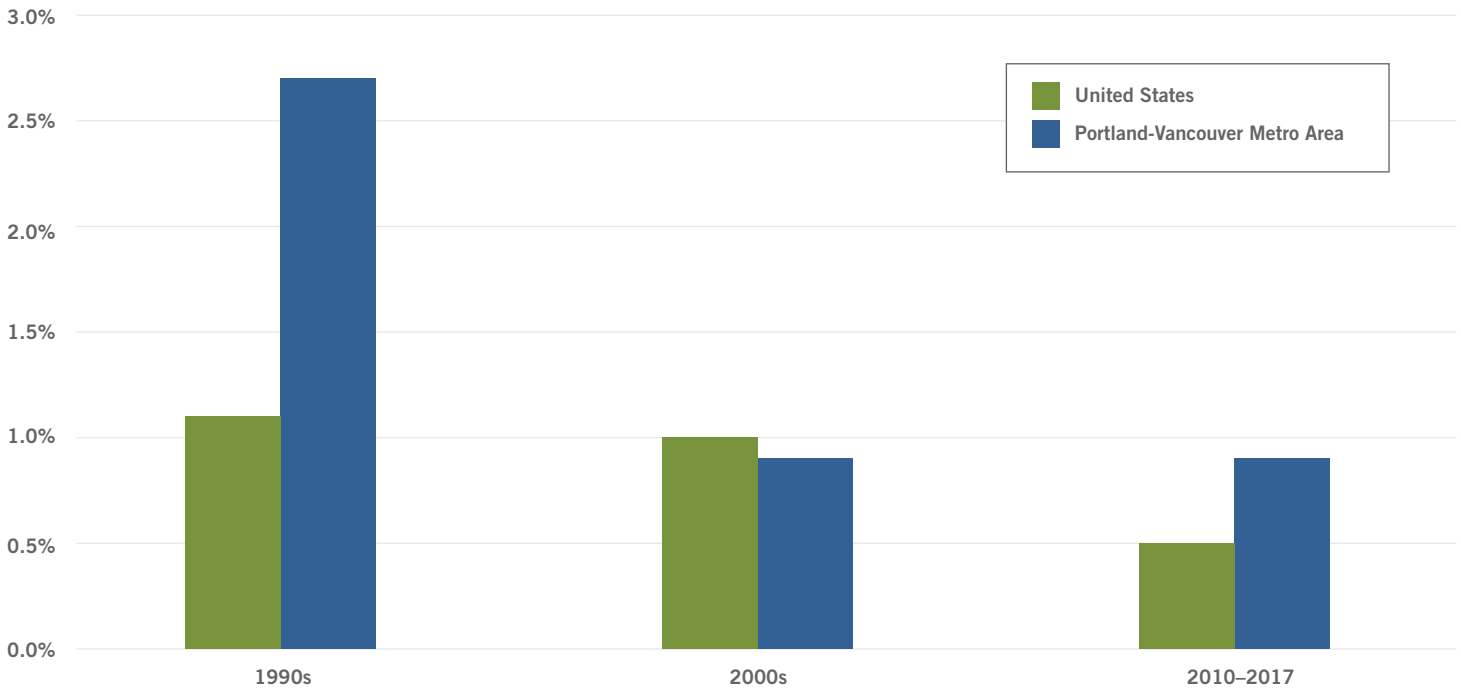
Source: U.S. Bureau of Labor Statistics



2015 is YTD through November

## CIVILIAN LABOR FORCE: AVERAGE ANNUAL GROWTH RATES

Source: U.S. Bureau of Labor Statistics



2015 is YTD through November

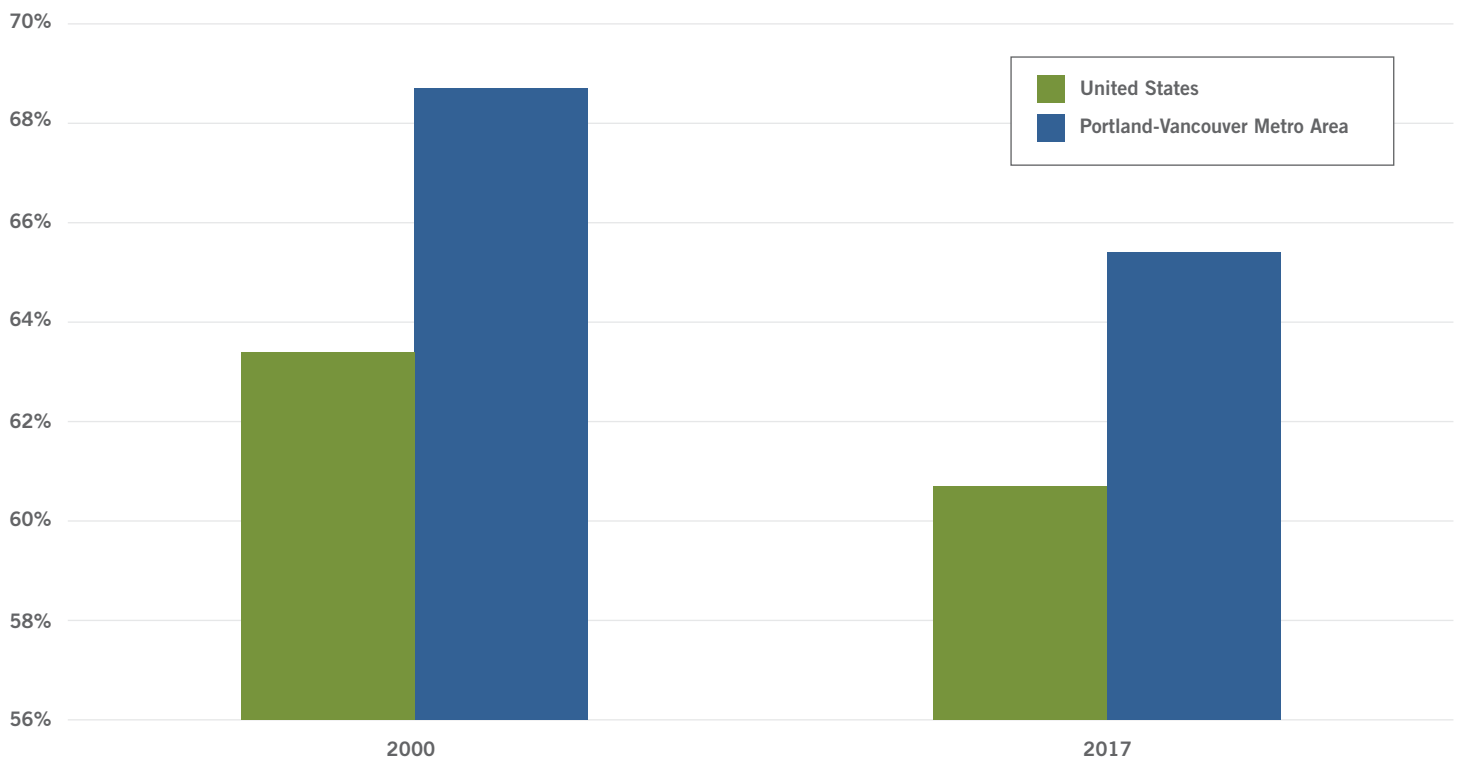
## LABOR FORCE PARTICIPATION RATE

Source: U.S. Census and Emsi

	2000	2017
Clackamas County	68.6%	65.1%
Columbia County	64.7%	57.9%
Multnomah County	69.0%	68.1%
Washington County	72.2%	68.6%
Yamhill County	64.5%	63.3%
Clark County	67.8%	61.4%
Cowlitz County	60.9%	54.3%
Skamania County	64.2%	54.5%
Wahkiakum County	55.2%	36.5%
Portland-Vancouver Metro Area	68.7%	65.4%
U.S.	63.4%	60.7%

## LABOR FORCE PARTICIPATION RATE: 2000 AND 2017

Source: U.S. Census





## LABOR FORCE PARTICIPATION RATE BY AGE GROUP: 2000 AND 2016

Source: U.S. Census

	Labor Force Participation Rate: 2016		
	16-21	22-54	55+
United States	49.0%	81.4%	38.9%
Portland-Vancouver Metro Area	50.9%	83.7%	40.5%
Clackamas County	53.3%	84.7%	39.9%
Columbia County*	46.9%	74.8%	34.6%
Multnomah County	49.7%	84.8%	40.0%
Washington County	52.1%	84.5%	43.8%
Yamhill County	48.6%	76.9%	40.2%
Clark County	50.4%	82.1%	39.2%
Cowlitz County	50.9%	76.7%	29.2%
Skamania County*	52.0%	74.8%	32.5%
Wahkiakum County*	29.3%	61.5%	23.3%

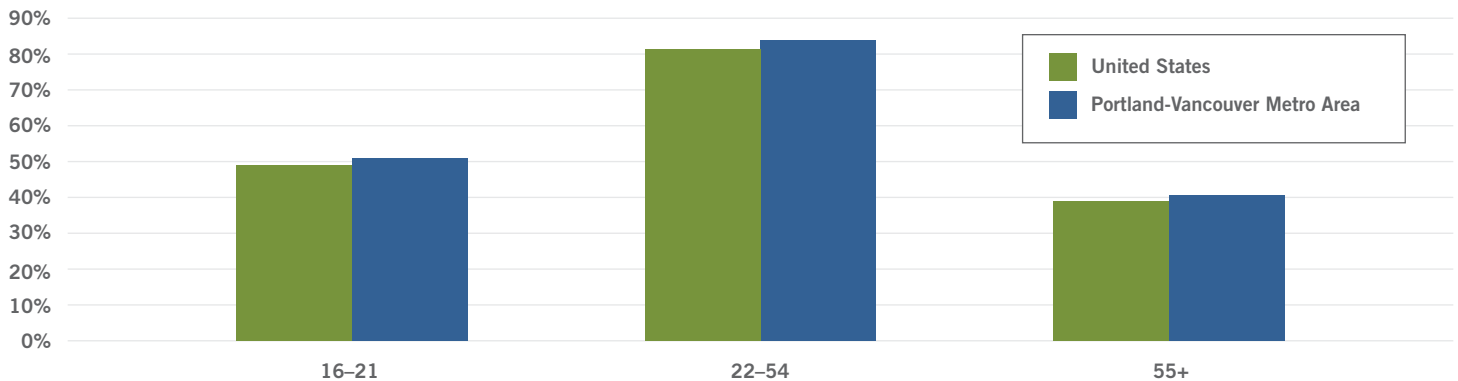
	Labor Force Participation Rate: 2000		
	16-21	22-54	55+
United States	56.4%	78.7%	31.5%
Portland-Vancouver metro area	61.4%	82.6%	33.8%
Clackamas County	60.8%	83.5%	36.1%
Columbia County*	57.7%	81.7%	29.9%
Multnomah County	61.6%	82.9%	32.1%
Washington County	62.6%	84.1%	37.7%
Yamhill County	61.9%	79.7%	30.5%
Clark County	61.6%	81.0%	34.0%
Cowlitz County	57.8%	78.5%	27.1%
Skamania County*	51.2%	80.9%	32.1%
Wahkiakum County*	55.2%	77.6%	27.5%

\*2016 data are 5-year estimates

Portland-Vancouver metro area excludes Wahkiakum

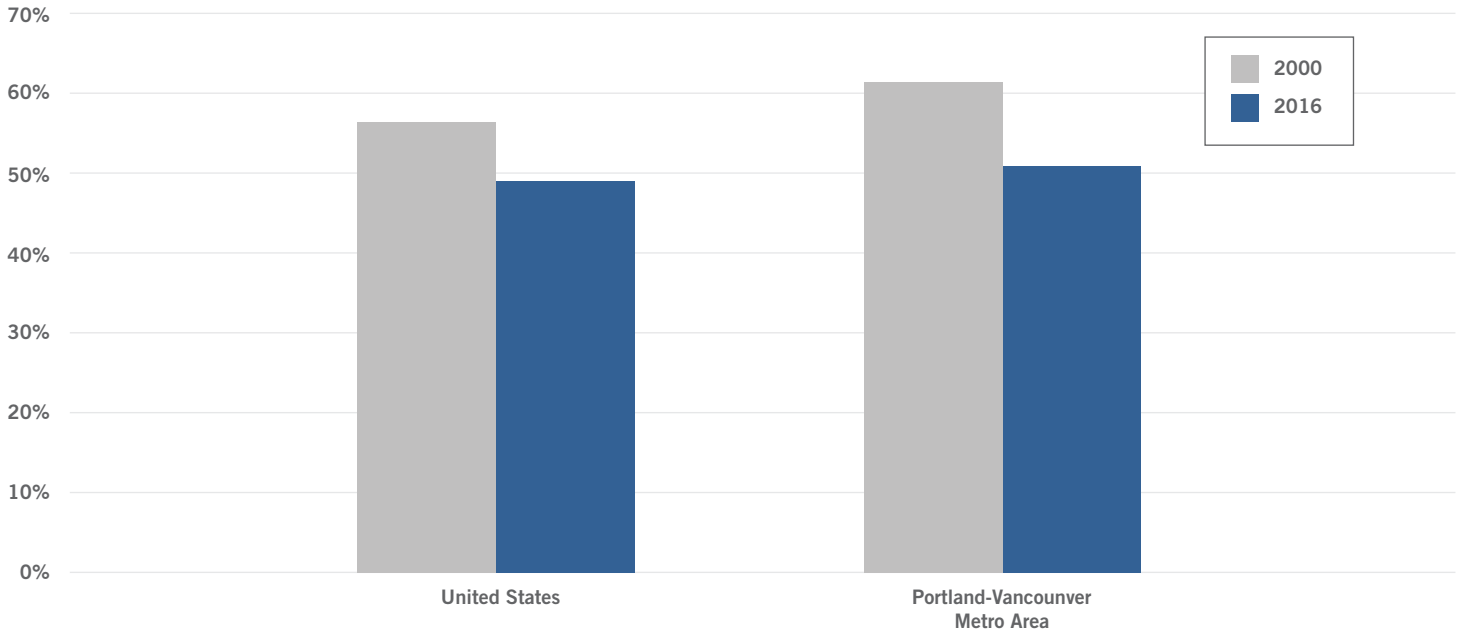
## LABOR FORCE PARTICIPATION RATE BY AGE GROUP: 2016

Source: U.S. Census



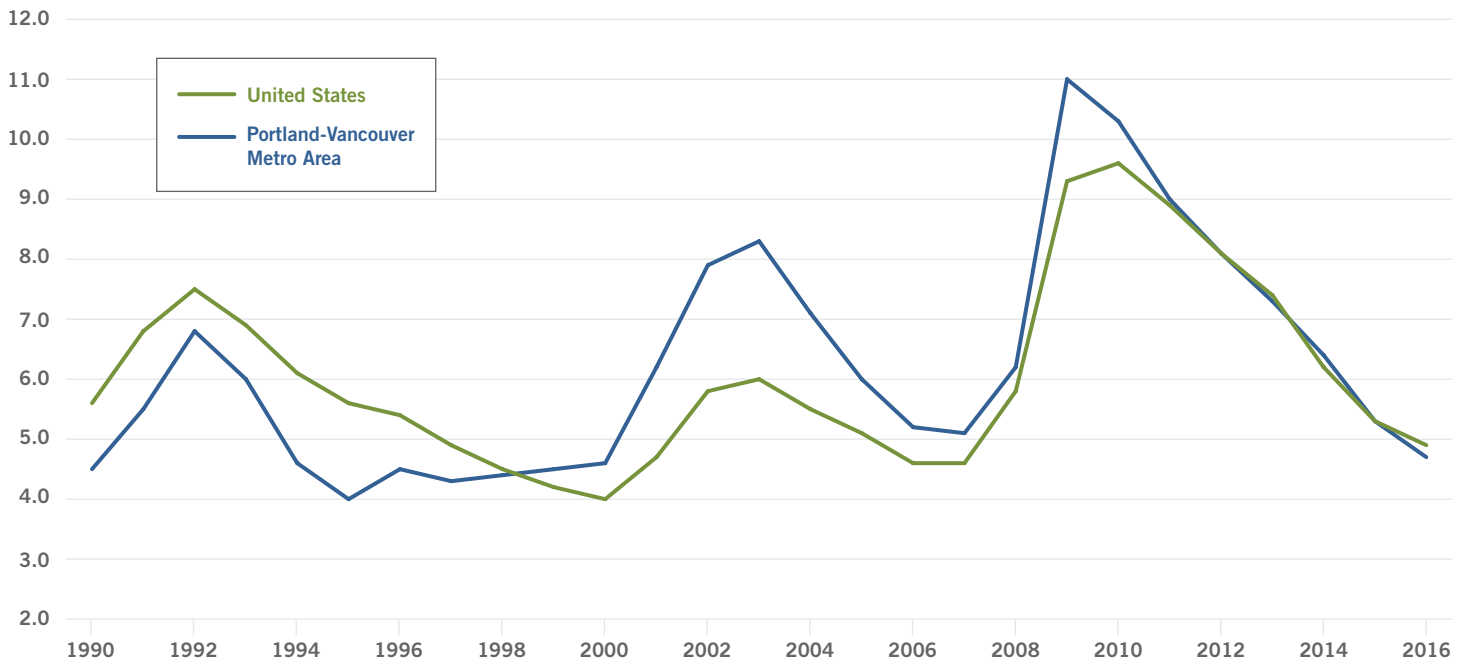
## LABOR FORCE PARTICIPATION RATE, 16 TO 21: 2000 AND 2016

Source: U.S. Census



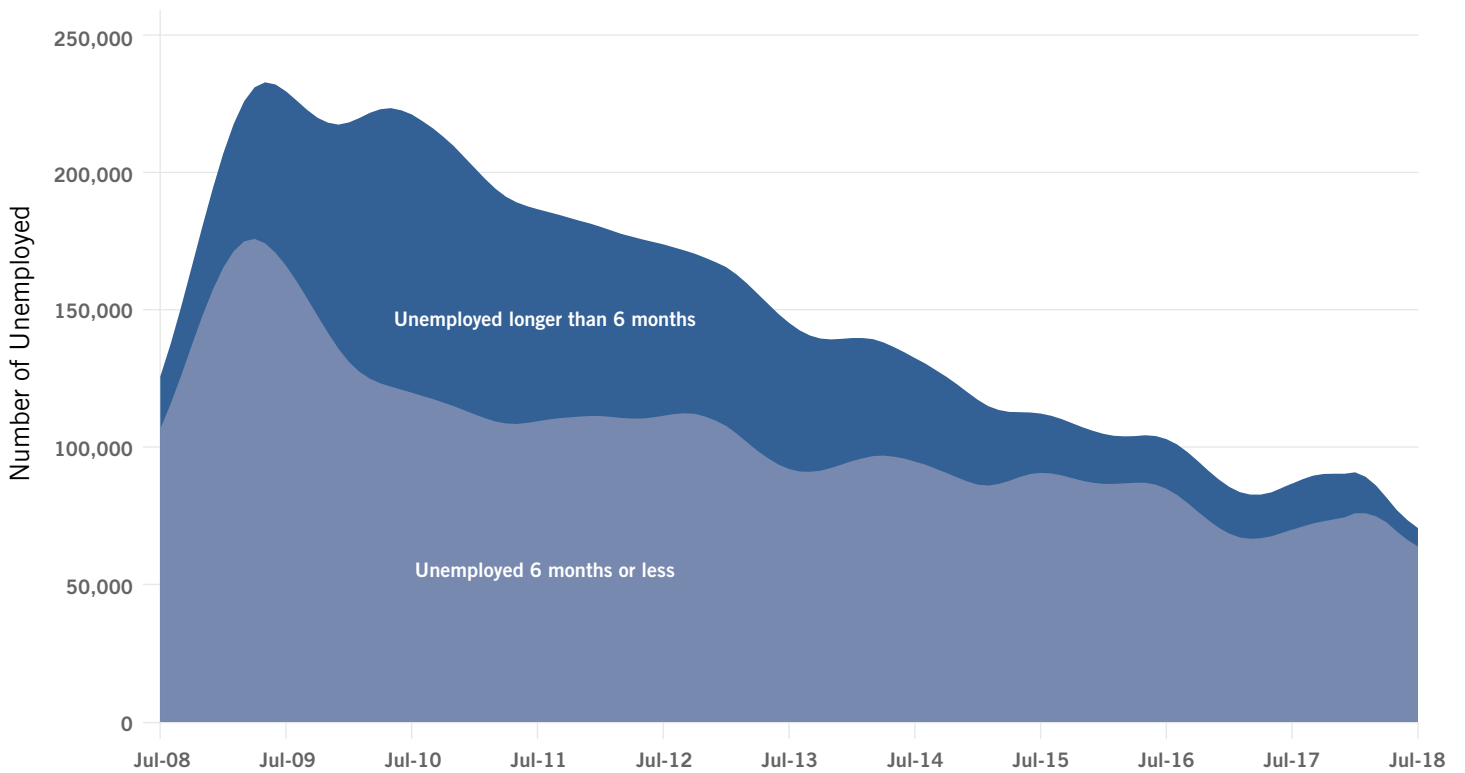
## UNEMPLOYMENT RATE: 1990-2017

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



## 6,700 LONG-TERM UNEMPLOYED OREGONIANS (10% OF THE UNEMPLOYED)

Source: Oregon Employment Department, Local Area Unemployment Statistics



## UNEMPLOYMENT RATE BY AGE: 2000 AND 2016

Source: U.S. Census

	2016						
	16-21	22-24	25-34	35-44	45-54	55-64	65+
<b>United States</b>	15.0%	9.0%	5.9%	4.6%	4.1%	3.8%	3.3%
<b>Portland-Vancouver Metro Area</b>	14.1%	6.4%	4.2%	3.5%	3.6%	4.0%	4.4%
<b>Clackamas</b>	9.8%	4.3%	4.4%	2.7%	3.8%	2.6%	2.9%
<b>Columbia*</b>	26.5%	15.3%	7.6%	6.4%	6.5%	6.8%	5.6%
<b>Multnomah</b>	14.2%	9.7%	3.7%	3.8%	3.6%	5.8%	5.6%
<b>Washington</b>	17.3%	6.9%	3.4%	2.9%	3.0%	3.9%	4.1%
<b>Yamhill</b>	3.3%	0.5%	9.3%	2.2%	5.1%	1.3%	0.2%
<b>Clark</b>	16.0%	2.3%	5.7%	4.6%	4.3%	3.1%	5.5%
<b>Cowlitz</b>	24.9%	5.6%	12.4%	8.6%	5.7%	4.6%	3.7%
<b>Skamania*</b>	14.6%	14.5%	13.1%	5.5%	6.2%	2.9%	8.7%
<b>Wahkiakum*</b>	7.0%	47.7%	9.2%	0.0%	6.6%	5.3%	7.5%

	2000						
	16-21	22-24	25-34	35-44	45-54	55-64	65+
<b>United States</b>	16.4%	8.8%	5.2%	4.3%	3.6%	3.5%	5.8%
<b>Portland Metro</b>	14.8%	8.4%	5.5%	4.4%	3.9%	3.8%	6.7%
<b>Clackamas</b>	14.2%	9.7%	5.7%	3.4%	3.3%	2.7%	3.7%
<b>Columbia</b>	20.6%	7.9%	5.4%	5.7%	4.1%	3.3%	6.7%
<b>Multnomah</b>	14.8%	8.3%	6.0%	5.6%	4.6%	4.5%	7.0%
<b>Washington</b>	12.0%	7.0%	4.0%	3.2%	3.1%	4.2%	6.4%
<b>Yamhill</b>	18.3%	9.1%	6.0%	3.7%	3.3%	3.3%	5.3%
<b>Clark</b>	15.5%	9.1%	5.7%	4.4%	3.7%	3.4%	11.4%
<b>Cowlitz</b>	19.5%	9.5%	7.9%	6.4%	5.7%	3.4%	5.1%
<b>Skamania</b>	26.9%	18.2%	11.3%	7.9%	9.8%	8.7%	6.5%
<b>Wahkiakum</b>	14.0%	26.9%	4.9%	4.8%	8.7%	6.9%	8.8%

\*2014 data are 5-year estimates

## UNEMPLOYED AND UNEMPLOYMENT RATE

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

	Portland-Vancouver Metro Area		United States	
	Unemployed	Rate	Unemployed	Rate
<b>2000</b>	51,700	4.6	5,692,000	4.0
<b>2001</b>	70,300	6.2	6,801,000	4.7
<b>2002</b>	89,200	7.9	8,378,000	5.8
<b>2003</b>	94,100	8.3	8,774,000	6.0
<b>2004</b>	80,400	7.1	8,149,000	5.5
<b>2005</b>	67,900	6.0	7,591,000	5.1
<b>2006</b>	60,400	5.2	7,001,000	4.6
<b>2007</b>	60,100	5.1	7,078,000	4.6
<b>2008</b>	75,100	6.2	8,924,000	5.8
<b>2009</b>	135,300	11.0	14,265,000	9.3
<b>2010</b>	129,900	10.3	14,825,000	9.6
<b>2011</b>	113,900	9.0	13,747,000	8.9
<b>2012</b>	100,500	8.1	12,506,000	8.1
<b>2013</b>	88,900	7.3	11,460,000	7.4
<b>2014</b>	79,800	6.4	9,617,000	6.2
<b>2015</b>	68,300	5.3	8,289,000	5.3
<b>2016</b>	61,500	4.7	7,750,917	4.9
<b>2017</b>	51,100	4.0	6,973,250	4.3

## JOB SEEKERS BY BROAD OCCUPATIONAL GROUP: PORTLAND METRO (OREGON PORTION)

Source: Oregon Employment Department

Occ. Code

Management, Business, and Financial		
11-0000	Management Occupations	13,636
13-0000	Business and Financial Operations Occupations	8,054
Professional and Related		
15-0000	Computer and Mathematical Science Occupations	7,310
17-0000	Architecture and Engineering Occupations	2,759
19-0000	Life, Physical, and Social Science Occupations	2,205
21-0000	Community and Social Service Occupations	4,836
23-0000	Legal Occupations	502
25-0000	Education, Training, and Library Occupations	5,268
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	5,988
Health Care		
29-0000	Healthcare Practitioner and Technical Occupations	2,190
31-0000	Healthcare Support Occupations	3,167
Service		
33-0000	Protective Service Occupations	1,361
35-0000	Food Preparation and Serving Related Occupations	9,465
37-0000	Building and Grounds Cleaning and Maintenance Workers	2,825
39-0000	Personal Care and Service Occupations	3,311
Sales and Related		
41-0000	Sales and Related Occupations	10,914
Office and Administrative Support		
43-0000	Office and Administrative Support Occupations	33,994
Farming, Fishing, and Forestry		
45-0000	Farming, Fishing, and Forestry Occupations	1,081
Construction and Extraction		
47-0000	Construction and Extraction Occupations	6,242
Installation, Maintenance, and Repair		
49-0000	Installation, Maintenance, and Repair Occupations	4,675
Production		
51-0000	Production Occupations	11,814
Transportation and Material Moving		
53-0000	Transportation and Material Moving Occupations	8,771
Military		115

Notes:

Job seekers living in Columbia, Clackamas, Multnomah, Washington, or Yamhill County Oregon and had an active iMatchSkills account as of 8/28/18

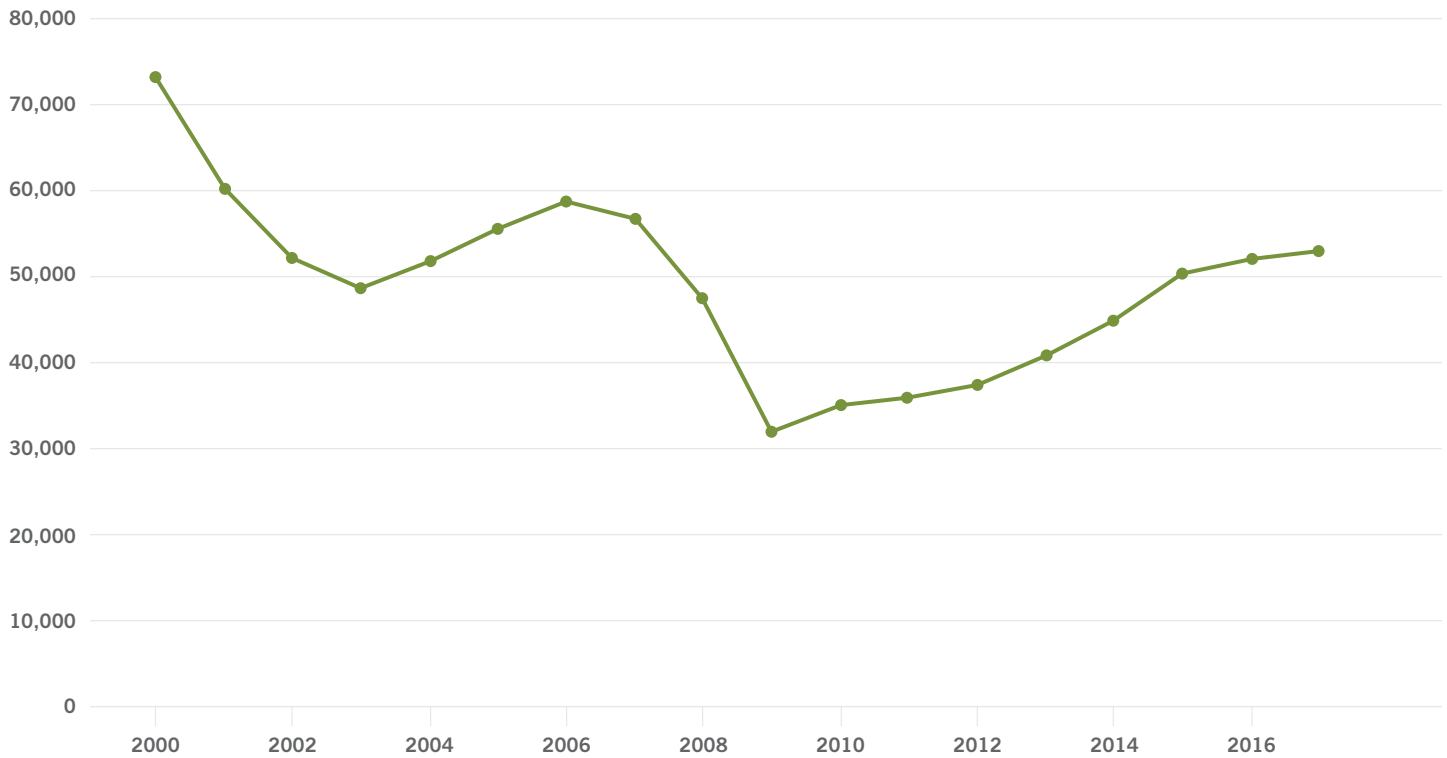
Job seekers can list more than one occupation

Includes Unemployment Insurance claimants, with some exceptions

Oregon Employment Department, iMatchSkills

## YOUTH HIRING (AGES 14-24): 2000-2017 NEW HIRES IN THE PORTLAND-VANCOUVER METRO AREA

*Source: U.S. Census Bureau Local Employment Household Dynamics*



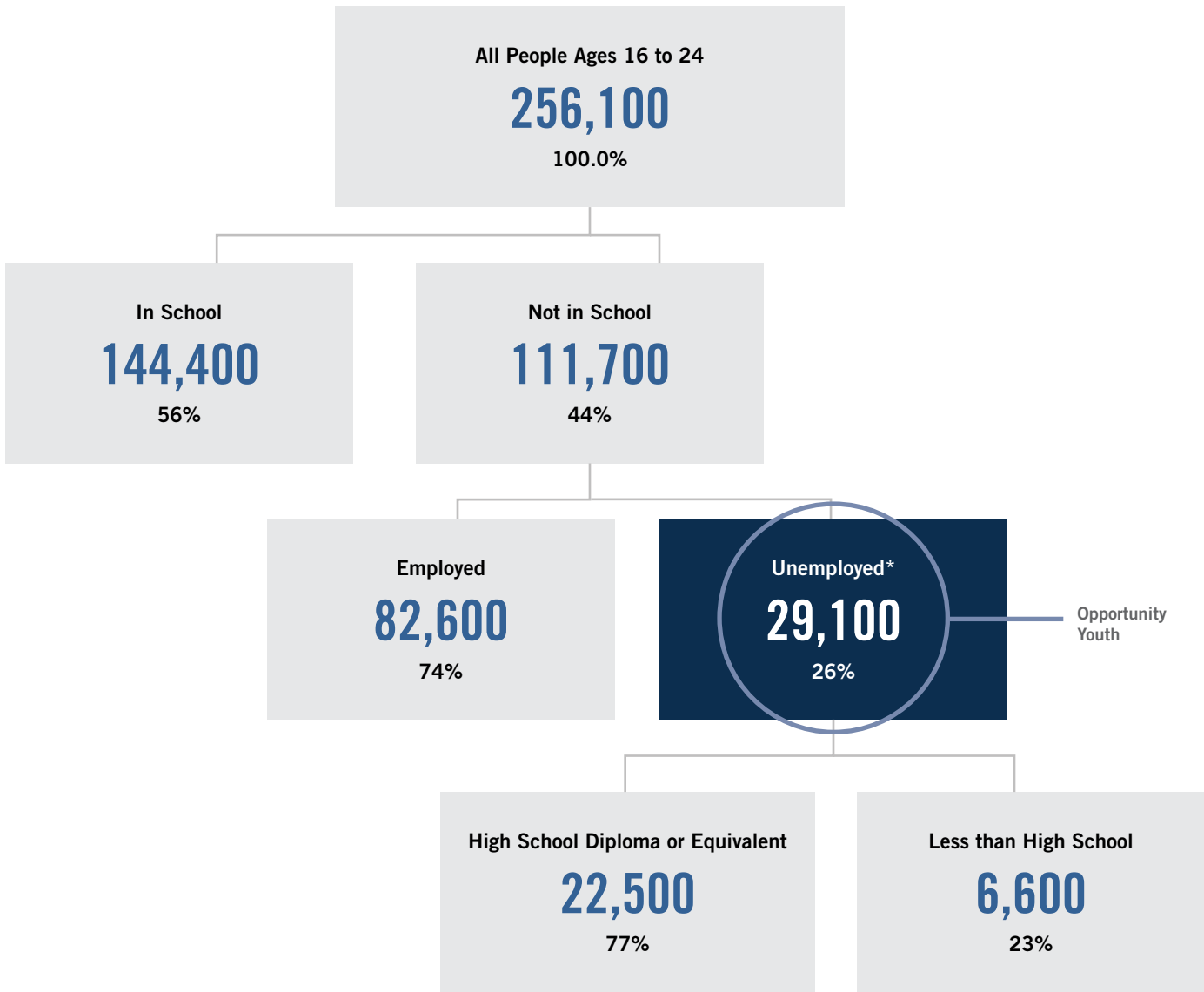
## PORTLAND-VANCOUVER METRO AREA OPPORTUNITY YOUTH: 2016 (PEOPLE AGES 16-24, NOT IN SCHOOL AND NOT EMPLOYED)

*Source: ECONorthwest Analysis of U.S. Census data*

<b>Population 16-24</b>	<b>256,100</b>
Not in School	111,700
Employed	82,600
Unemployed	29,100
High School Diploma or Equivalent	22,500
Less than High School	6,600

# IDENTIFYING OPPORTUNITY YOUTH, PORTLAND-VANCOUVER METRO AREA: 2016

Source: Worksystems analysis of U.S. Census data



\*Actively looking for work or not looking for work



## YOUTH POPULATION (AGES 16-24): 2000 AND 2016

Source: U.S. Census

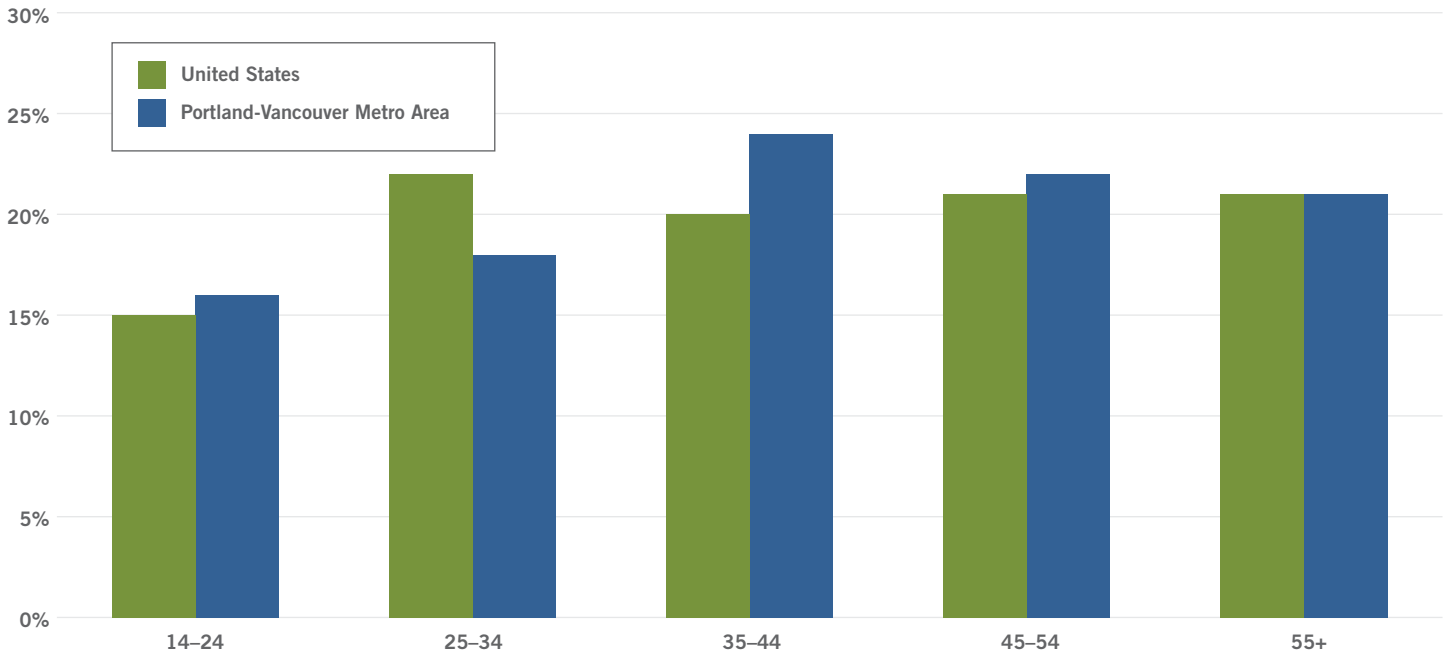
	2016						
	Population, 16-24	In Labor Force	Employed	Unemployed	Unemployment Rate	Not in Labor Force	Total Population
<b>Portland-Vancouver Metro Area</b>	245,729	128,374	150,194	18,216	102,750	14.2%	2,039,582
<b>Clackamas</b>	36,981	20,554	24,194	1,949	15,410	9.5%	329,518
<b>Columbia*</b>	5,046	2,924	2,295	629	2,122	21.5%	40,070
<b>Multnomah</b>	75,112	37,099	44,840	6,020	31,458	16.2%	661,650
<b>Washington</b>	56,551	30,986	35,439	4,982	22,773	16.1%	460,547
<b>Yamhill</b>	12,412	6,812	8,395	171	5,365	2.5%	83,804
<b>Clark</b>	47,034	24,140	28,538	3,197	20,059	13.2%	366,262
<b>Cowlitz</b>	11,074	5,049	5,818	1,143	4,854	22.6%	84,976
<b>Skamania*</b>	1,104	666	569	97	438	14.6%	9,268
<b>Wahkiakum*</b>	415	144	106	28	271	19.4%	3,487
<b>United States</b>	34,801,245	17,873,121	19,972,150	2,869,924	16,233,083	16.1%	257,950,721

	2000						
	Population, 16-24	In Labor Force	Employed	Unemployed	Unemployment Rate	Not in Labor Force	Total Population
<b>Portland-Vancouver Metro Area</b>	240,499	164,471	144,282	19,999	12.2%	76,028	1,563,840
<b>Clackamas</b>	37,212	25,035	21,872	3,139	12.5%	12,177	260,423
<b>Columbia</b>	4,310	2,741	2,285	433	15.8%	1,569	33,035
<b>Multnomah</b>	82,729	57,415	50,568	6,827	11.9%	25,314	529,051
<b>Washington</b>	52,770	37,126	33,448	3,636	9.8%	15,644	338,288
<b>Yamhill</b>	12,296	8,118	6,868	1,250	15.4%	4,178	64,941
<b>Clark</b>	39,162	26,480	22,976	3,454	13.0%	12,682	256,455
<b>Cowlitz</b>	10,627	6,732	5,628	1,073	15.9%	3,895	70,982
<b>Skamania</b>	1,045	603	457	146	24.2%	442	7,602
<b>Wahkiakum</b>	348	221	180	41	18.6%	127	3,063
<b>United States</b>	34,956,438	22,281,754	18,889,736	2,941,770	13.2%	12,674,684	217,168,077

\*2014 data are 5-year estimates

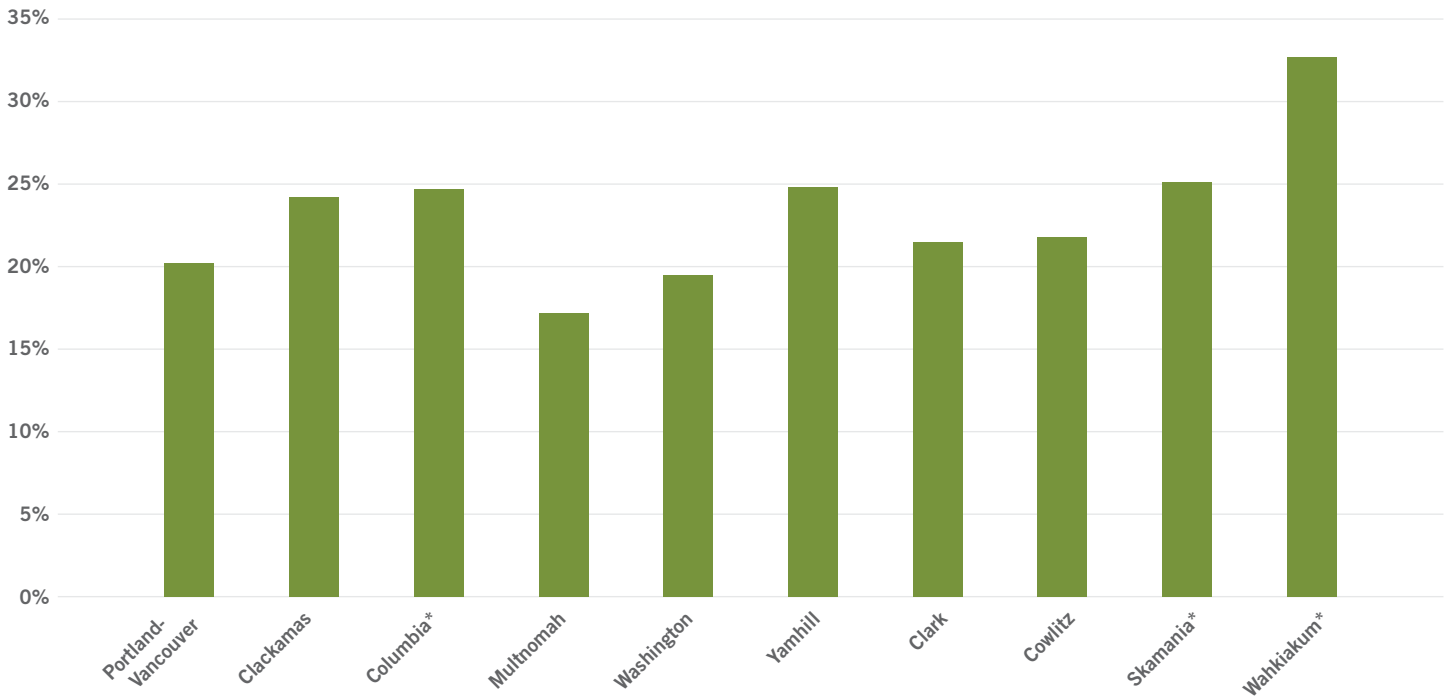
## SHARE OF WORKFORCE BY AGE: 2016

Source: U.S Census



## SHARE OF WORKFORCE 55+: 2016

Source: U.S Census



\*5-year estimates

## EMPLOYMENT BY BROAD INDUSTRY, PORTLAND-VANCOUVER METRO AREA, AGES 55+: 2016

Source: Emsi

	55+ Employment	Share of 55+	Share of Industry's Employment
<b>Government</b>	46,996	18%	27%
<b>Health Care and Social Assistance</b>	34,136	13%	22%
<b>Manufacturing</b>	30,119	11%	23%
<b>Retail Trade</b>	22,766	8%	18%
<b>Professional, Scientific, and Technical Services</b>	14,620	5%	19%
<b>Accommodation and Food Services</b>	13,798	5%	13%
<b>Wholesale Trade</b>	13,633	5%	24%
<b>Construction</b>	13,620	5%	19%
<b>Administrative and Support and Waste Management and Remediation Services</b>	13,134	5%	20%
<b>Other Services (except Public Administration)</b>	12,868	5%	25%
<b>Finance and Insurance</b>	9,886	4%	22%
<b>Transportation and Warehousing</b>	9,876	4%	26%
<b>Management of Companies and Enterprises</b>	7,405	3%	19%
<b>Educational Services</b>	6,796	3%	22%
<b>Real Estate and Rental and Leasing</b>	4,969	2%	25%
<b>Agriculture, Forestry, Fishing and Hunting</b>	4,789	2%	31%
<b>Information</b>	4,426	2%	18%
<b>Arts, Entertainment, and Recreation</b>	2,855	1%	16%
<b>Utilities</b>	784	0.3%	32%
<b>Mining, Quarrying, and Oil and Gas Extraction</b>	296	0.1%	33%
<b>All Sectors</b>	<b>267,771</b>	<b>100.0%</b>	<b>21%</b>

## INDUSTRIES WITH SIGNIFICANT NEAR-RETIREE EMPLOYMENT COMPARED TO YOUTH EMPLOYMENT PORTLAND-VANCOUVER METRO AREA: 2017 (ALL OWNERSHIPS)

Source: Emsi

	Ages 55+		Ages 14-24	
	#	Share of Industry Emp.	#	Share of Industry Emp.
Professional, Scientific, and Technical Services	14,620	19%	148,315	12%
Administrative and Support Services	12,417	20%	11,582	9%
Ambulatory Health Care Services	11,818	21%	4,250	6%
Food Services and Drinking Places	11,717	12%	8,248	13%
Social Assistance	8,883	22%	4,126	7%
Specialty Trade Contractors	8,706	19%	29,124	30%
Hospitals	7,745	24%	5,397	14%
Management of Companies and Enterprises	7,405	19%	4,991	11%
Computer and Electronic Product Manufacturing	7,050	20%	1,139	3%
Religious, Grantmaking, Civic, Professional, and Similar Organizations	6,857	31%	2,555	6%
Merchant Wholesalers, Durable Goods	6,817	25%	1,113	3%
Educational Services	6,796	22%	2,128	10%
State Government	6,603	31%	1,476	6%
Nursing and Residential Care Facilities	5,689	20%	3,998	13%
Federal Government	5,198	21%	1,697	8%
Insurance Carriers and Related Activities	5,045	24%	5,123	18%
General Merchandise Stores	4,764	19%	2,348	9%
Food and Beverage Stores	4,276	17%	766	4%
Real Estate	4,121	26%	6,413	26%
Merchant Wholesalers, Nondurable Goods	4,117	21%	5,133	21%
Construction of Buildings	3,702	20%	1,216	8%
Credit Intermediation and Related Activities	3,653	19%	1,656	8%
Truck Transportation	3,421	32%	1,643	9%
Crop Production	3,238	32%	1,498	8%
Motor Vehicle and Parts Dealers	3,179	21%	591	5%
Food Manufacturing	3,124	22%	956	9%
Fabricated Metal Product Manufacturing	3,089	24%	2,321	15%
Wholesale Electronic Markets and Agents and Brokers	2,699	26%	1,515	11%
Machinery Manufacturing	2,541	25%	914	7%
Repair and Maintenance	2,537	20%	424	4%
<b>Total, All Industries</b>	<b>267,839</b>	<b>21%</b>	<b>148,315</b>	<b>12%</b>

# EDUCATION

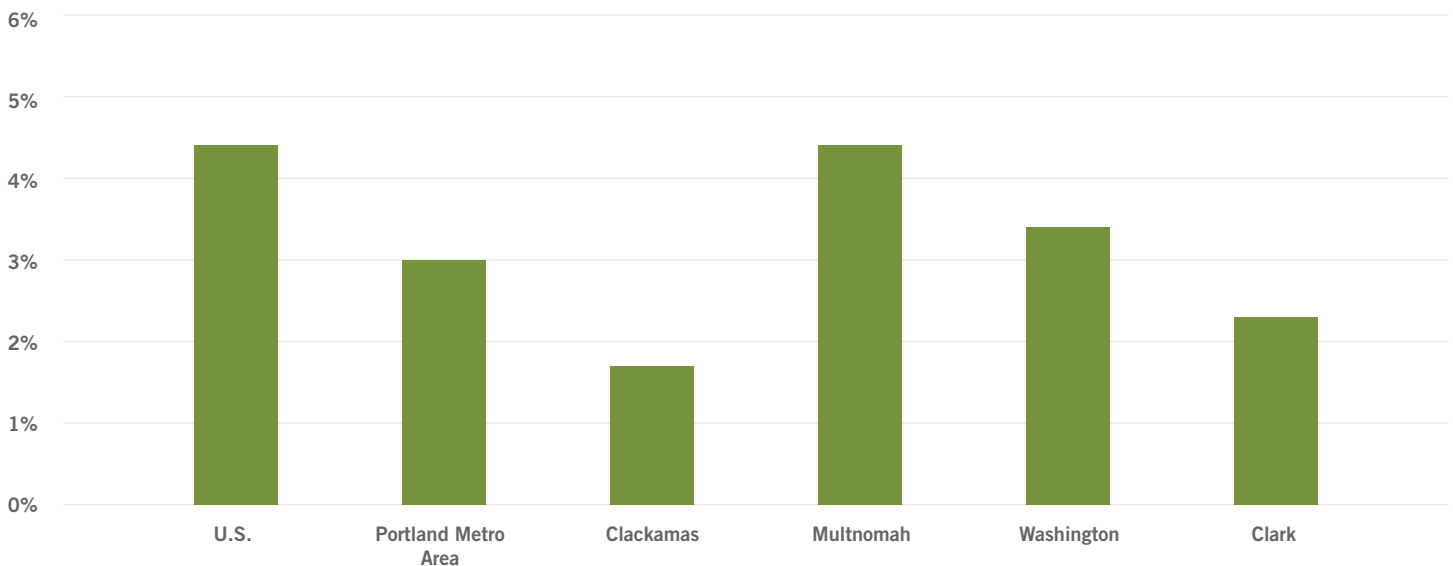
## POPULATION SPEAKING ENGLISH WELL OR AT ALL: 2016

Source: U.S. Census

	United States	Portland Metro Area	Clackamas	Multnomah	Washington	Clark County
<b>Total Population 5 Years and Older</b>	<b>305,924,019</b>	<b>2,308,537</b>	<b>390,237</b>	<b>761,878</b>	<b>552,406</b>	<b>445,475</b>
Speak English "Not Well"	9,285,040	52,446	4,758	24,553	13,782	7,993
Speak English "Not at All"	4,074,393	17,925	1,895	8,624	4,780	2,034
<b>5-17</b>						
Population	53,853,524	389,671	66,966	108,640	100,492	86,251
Speak English "Not Well"	610,830	4,036	232	2,026	1,072	569
Speak English "Not at All"	117,926	357	-	53	304	-
<b>18-64</b>						
Population	201,254,783	1,565,214	250,852	548,295	375,937	288,327
Speak English "Not Well"	6,997,553	40,670	3,746	19,939	10,326	5,683
Speak English "Not at All"	2,791,282	12,621	1,405	5,544	3,546	1,564
<b>65+</b>						
Population	50,815,712	353,652	72,419	104,943	75,977	70,897
Speak English "Not Well"	1,676,657	7,740	780	2,588	2,384	1,741
Speak English "Not at All"	1,165,185	4,947	490	3,027	930	470

## SHARE OF POPULATION 5 YEARS AND OLDER NOT SPEAKING ENGLISH WELL OR NOT AT ALL: 2016

Source: U.S. Census



## PUBLIC SCHOOL STUDENTS: ENGLISH LEARNERS

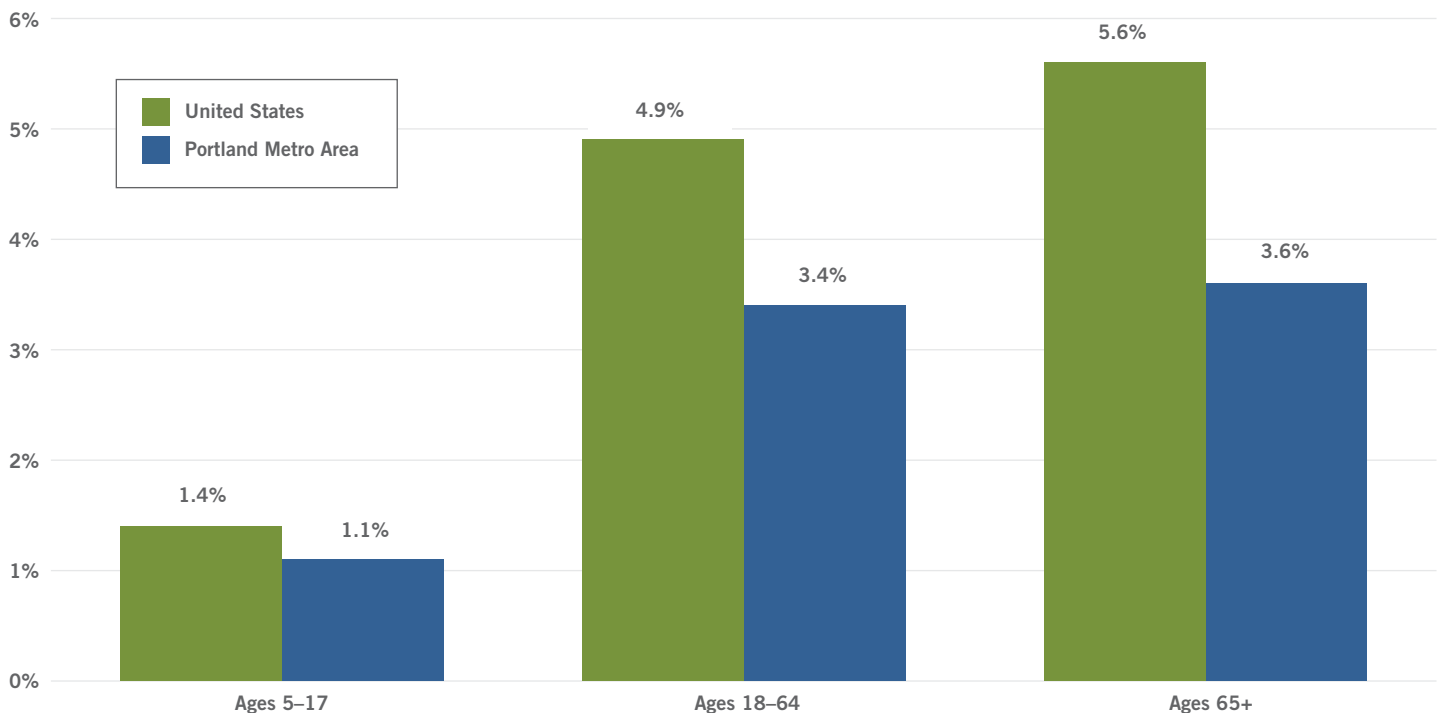
Source: Oregon Department of Education, Washington Office of Superintendent of Public Education, National Center for Education Statistics

County	2000-2001			2017-2018		
	Total Students	English Learners	% of Total Enrollment	Total Students	English Learners	% of Total Enrollment
<b>Portland-Vancouver Metro Area</b>	330,607	26,429	8.0%	361,632	66,703	18.4%
<b>Clackamas</b>	54,691	3,782	6.9%	58,923	7,972	13.5%
<b>Columbia</b>	8,600	13	0.2%	7,574	139	1.8%
<b>Multnomah</b>	93,278	11,055	11.9%	92,607	23,826	25.7%
<b>Washington</b>	73,195	6,996	9.6%	86,666	22,581	26.1%
<b>Yamhill</b>	15,473	1,254	8.1%	16,486	3,081	18.7%
<b>Clark</b>	65,862	3,320	5.0%	80,282	8,112	10.1%
<b>Cowlitz</b>	17,705	unavailable	-	17,513	945	5.4%
<b>Skamania</b>	1,294	9	0.7%	1,096	22	2.0%
<b>Wahkiakum</b>	509	unavailable	-	485	25	5.2%

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

## POPULATION NOT SPEAKING ENGLISH WELL OR AT ALL BY AGE: 2016

Source: U.S. Census



## LANGUAGE OTHER THAN ENGLISH SPOKEN AT HOME: 2016

Source: U.S. Census

	U.S.	Portland-Vancouver Metro Area	Clackamas	Multnomah	Washington	Yamhill*	Clark	Cowlitz*
<b>Total:</b>	<b>305,924,019</b>	<b>2,405,289</b>	<b>390,237</b>	<b>761,878</b>	<b>552,406</b>	<b>96,283</b>	<b>445,475</b>	<b>96,752</b>
Speak Only English	239,331,713	1,977,389	343,905	605,123	415,647	82,406	379,171	89,484
Spanish or Spanish Creole	41,017,620	199,318	22,801	66,032	67,642	11,522	26,055	4,714
French (including Patois, Creole, Cajun)	2,088,825	10,112	2,086	3,524	2,194	214	1,614	221
German or other West Germanic Languages	1,423,632	11,377	1,872	4,796	3,159	581	812	312
Slavic languages	2,038,191	39,538	4,238	13,931	4,133	179	16,820	230
Other Indo-European languages	5,770,840	36,195	4,733	9,411	15,156	288	6,279	378
Korean	1,095,161	9,448	1,510	893	5,624	163	1,355	56
Chinese	3,462,091	22,957	2,627	9,797	6,771	431	3,394	103
Vietnamese	1,498,874	27,535	1,611	17,672	5,288	26	2,639	242
Tagalog	1,746,344	11,164	1,825	2,848	4,064	186	2,014	159
Other Asian and Pacific Island Languages	3,036,937	34,307	2,220	12,881	14,353	164	3,987	663
Arabic	1,227,768	8,677	654	2,848	4,904	21	249	22
Other and Unspecified Languages	2,186,023	17,272	155	12,122	3,471	102	1,086	168

Portland-Vancouver metro area excludes Washkiakum

# PUBLIC SCHOOL STUDENTS BY RACE, ETHNICITY, LOW INCOME

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

## 2017-2018 School Year

County	Total Students	White		Black		Hispanic		Asian/Pacific Islander		American Indian/ Alaska Native		Multi-racial/ Unknown		Economically Disadvantaged*	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
Portland-Vancouver Metro Area	361,632	218,965	60.5%	15,759	4.4%	91,528	25.3%	31,697	8.8%	3,046	0.8%	29,115	8.1%	163,353	45.2%
Clackamas	58,923	42,369	71.9%	773	1.3%	10,290	17.5%	3,378	5.7%	384	0.7%	4,256	7.2%	18,239	31.0%
Columbia	7,574	6,283	83.0%	56	0.7%	737	9.7%	125	1.7%	124	1.6%	489	6.5%	3,183	42.0%
Multnomah	92,607	47,209	51.0%	10,666	11.5%	27,149	29.3%	11,392	12.3%	1,202	1.3%	9,899	10.7%	52,801	57.0%
Washington	86,666	44,759	51.6%	2,433	2.8%	30,166	34.8%	11,785	13.6%	306	0.4%	6,942	8.0%	36,078	41.6%
Yamhill	16,486	11,045	67.0%	169	1.0%	5,013	30.4%	279	1.7%	462	2.8%	595	3.6%	12,182	73.9%
Clark	80,282	53,188	66.3%	1,519	1.9%	14,936	18.6%	4,404	5.5%	353	0.4%	5,881	7.3%	30,757	38.3%
Cowlitz	17,513	12,851	73.4%	136	0.8%	3,049	17.4%	325	1.9%	192	1.1%	960	5.5%	9,340	53.3%
Skamania	1,096	857	78.2%	4	0.4%	146	13.3%	5	0.5%	19	1.7%	65	5.9%	481	43.9%
Wahkiakum	485	405	83.5%	2	0.4%	42	8.7%	3	0.6%	4	0.8%	29	6.0%	293	60.4%

## 2000-2001 School Year

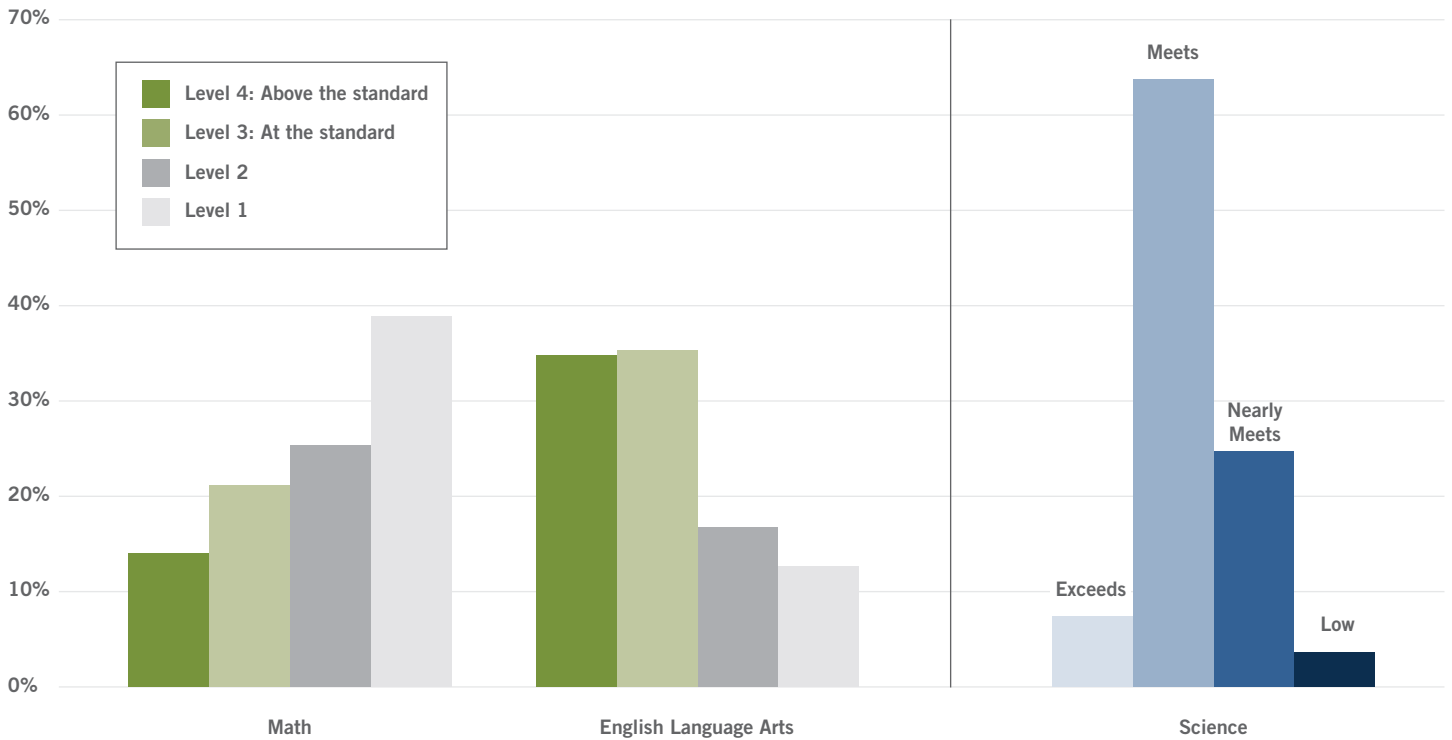
County	Total Students	White		Black		Hispanic		Asian/Pacific Islander		American Indian/ Alaska Native		Multi-racial/ Unknown		Economically Disadvantaged*	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
Portland-Vancouver Metro Area	330,607	261,691	79.2%	14,723	4.5%	27,968	8.5%	19,269	5.8%	4,301	1.3%	2,009	0.6%	90,491	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%	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%	unavail.	-
Skamania	1,294	1,130	87.3%	10	0.8%	57	4.4%	31	2.4%	66	5.1%	-	0.0%	505	39.0%
Wahkiakum	509	470	92.3%	8	1.6%	11	2.2%	5	1.0%	15	2.9%	-	0.0%	unavail.	-

\* Eligible for free or reduced price meals in State of Washington counties  
Clark and Skamania 2000 data for Economically Disadvantaged unavailable; estimated based on 2001 ratios



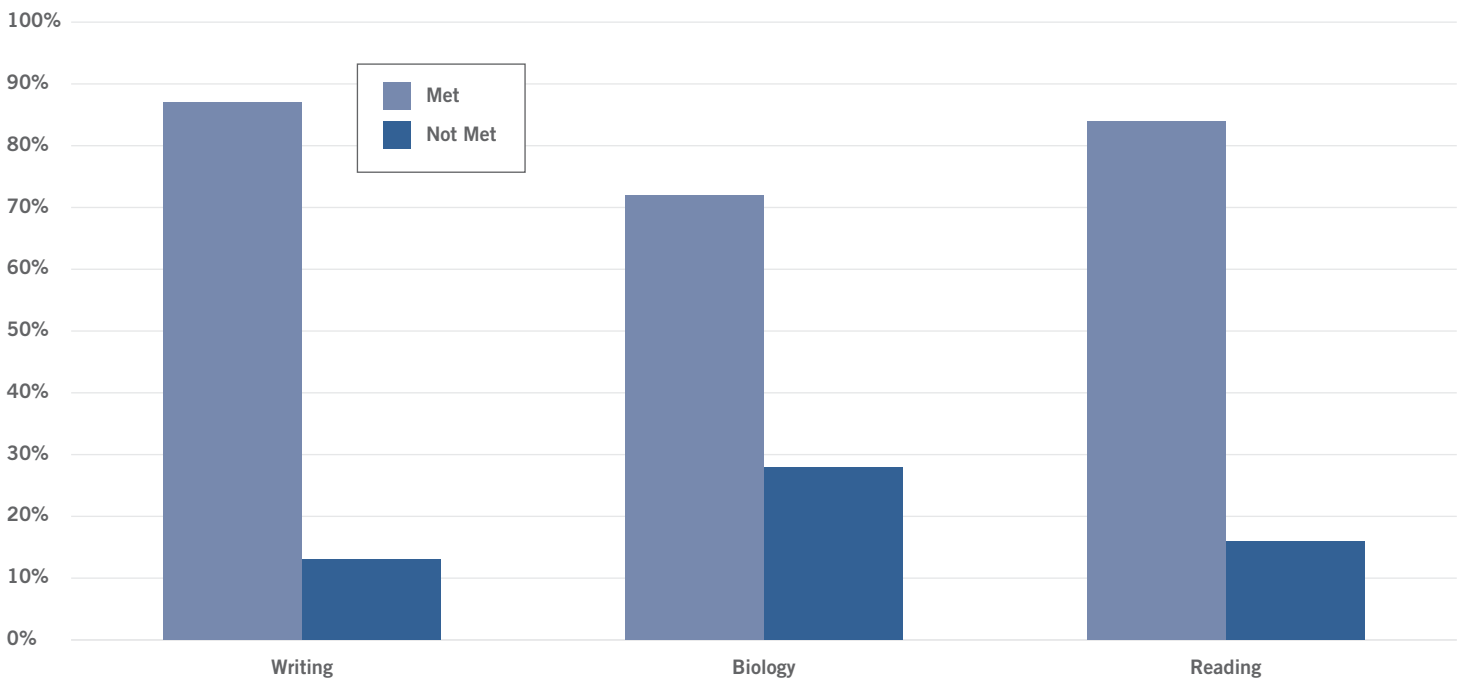
## 11TH GRADE TEST RESULTS: PORTLAND METRO AREA (OR PORTION): 2016-2017 SCHOOL YEAR

Source: Oregon Department of Education



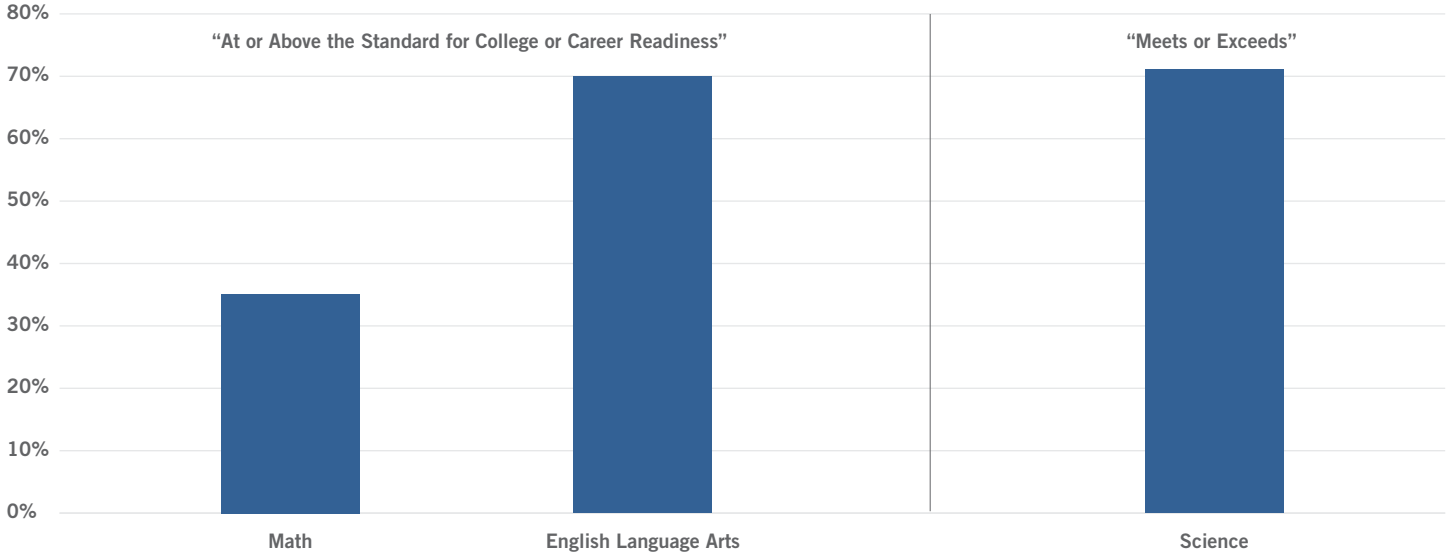
## 11TH GRADE TEST RESULTS: SW WASHINGTON 2016-2017 SCHOOL YEAR

Source: Washington Office of Superintendent of Public Instruction



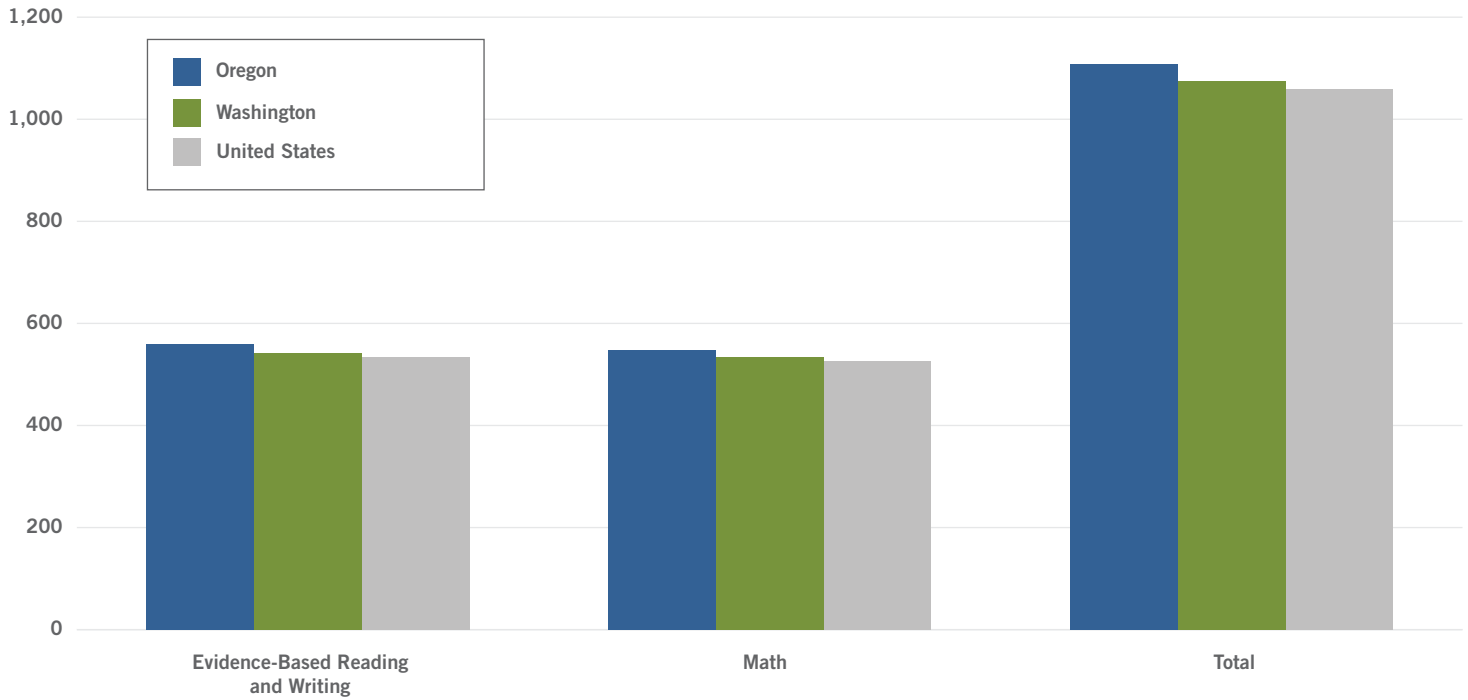
# 11TH GRADE TEST RESULTS: PORTLAND METRO AREA (OREGON PORTION) 2016-2017 SCHOOL YEAR

Source: Oregon Department of Education



# AVERAGE SAT SCORES: 2016-2017 SCHOOL YEAR

Source: The College Board



## HIGH SCHOOL GRADUATION AND NON-COMPLETER RATES 2016-2017 FOUR-YEAR COHORT

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

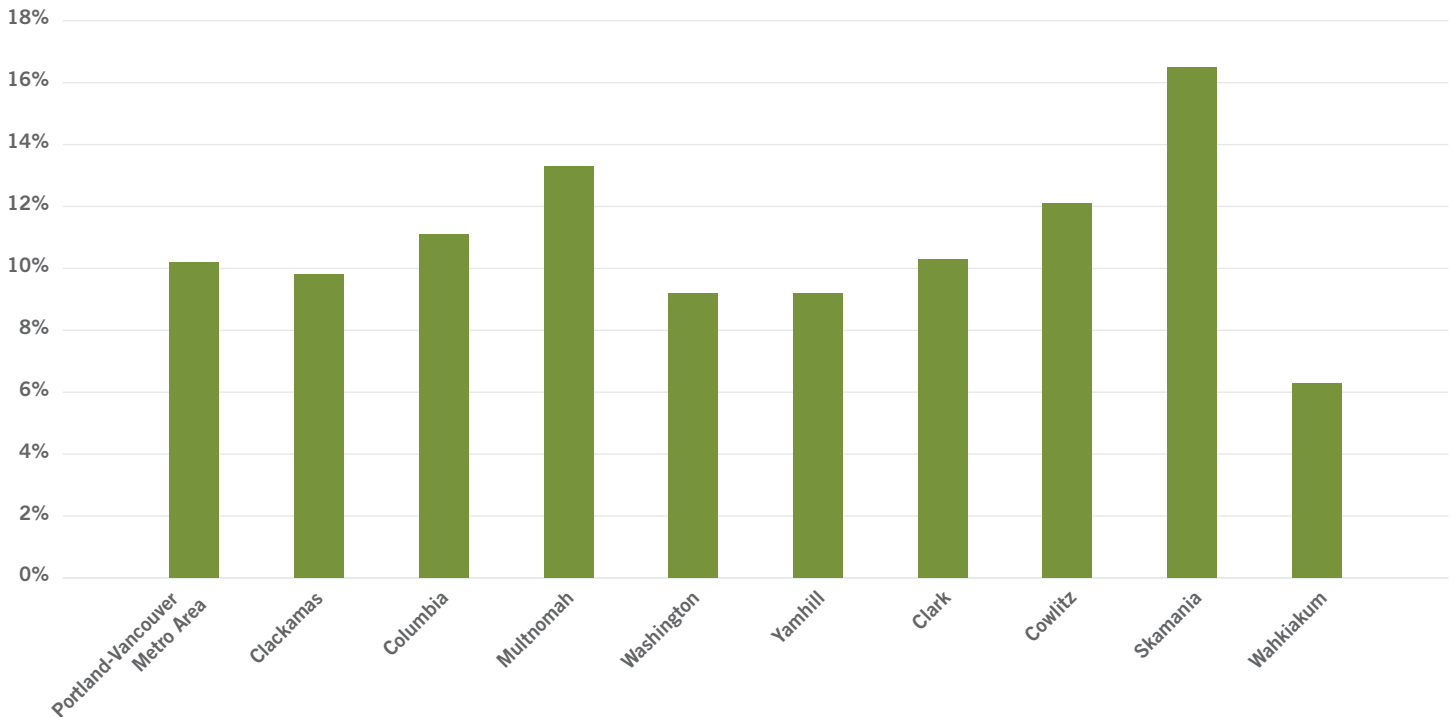
	Cohort	Regular High School Diploma	Graduation Rate (regular diploma)*	Dropout** Rate
<b>Portland-Vancouver Metro Area</b>	28,345	22,488	79.3%	10.2%
<b>Clackamas</b>	5,245	4,167	79.4%	9.8%
<b>Columbia</b>	658	513	78.0%	11.1%
<b>Multnomah</b>	6,724	4,903	72.9%	13.3%
<b>Washington</b>	6,539	5,430	83.0%	6.8%
<b>Yamhill</b>	1,373	1,093	79.6%	9.2%
<b>Clark</b>	6,398	5,258	82.2%	10.3%
<b>Cowlitz</b>	1,297	1,032	79.6%	12.1%
<b>Skamania</b>	79	65	82.3%	16.5%
<b>Wahkiakum</b>	32	27	84.4%	6.3%

\* 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 2014-2015 (Oregon).

## DROPOUT RATE: 2016-2017 FOUR-YEAR COHORT

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



# HIGH SCHOOL GRADUATION RATES, 2016-2017 FOUR-YEAR COHORT COMPLETER RATE

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

	Adjusted Cohort	Diploma*	Graduation Rate (diploma)	Other Completers**	Completer Rate	Noncompleters***	Noncompleter Rate
<b>Portland-Vancouver Metro Area</b>	<b>28,345</b>	<b>22,488</b>	<b>79.3%</b>	<b>520</b>	<b>81.2%</b>	<b>2,884</b>	<b>10.2%</b>
Male	14,597	11,085	75.9%	304	78.0%	1,731	11.9%
Female	13,748	11,403	82.9%	216	84.5%	1,154	8.4%
White	17,862	14,612	81.8%	367	83.9%	1,604	9.0%
Black	1,075	725	67.4%	6	68.0%	157	14.6%
Hispanic	5,429	3,882	71.5%	84	73.1%	782	14.4%
<b>Clackamas</b>	<b>5,245</b>	<b>4,167</b>	<b>82.4%</b>	<b>160</b>	<b>85.5%</b>	<b>516</b>	<b>9.8%</b>
Male	2,663	2,028	80.3%	93	83.8%	301	11.3%
Female	2,582	2,139	84.7%	67	87.3%	215	8.3%
White	3,850	3,122	84.0%	123	87.2%	329	8.5%
Black	65	49	83.1%	1	84.6%	6	9.2%
Hispanic	735	496	71.7%	23	74.8%	131	17.8%
<b>Columbia</b>	<b>658</b>	<b>513</b>	<b>81.2%</b>	<b>5</b>	<b>81.9%</b>	<b>73</b>	<b>11.1%</b>
Male	351	265	80.3%	5	81.8%	38	10.8%
Female	307	248	82.1%	0	82.1%	35	11.4%
White	556	434	81.3%	5	82.2%	61	11.0%
Black	3	3	100.0%	0	100.0%	0	0.0%
Hispanic	49	36	75.5%	0	75.5%	7	14.3%
<b>Multnomah</b>	<b>6,724</b>	<b>4,903</b>	<b>75.0%</b>	<b>156</b>	<b>77.3%</b>	<b>891</b>	<b>13.3%</b>
Male	3,473	2,381	71.4%	86	73.8%	538	15.5%
Female	3,251	2,522	78.9%	70	81.1%	353	10.9%
White	3,402	2,628	79.1%	109	82.3%	397	11.7%
Black	665	414	65.4%	2	65.7%	110	16.5%
Hispanic	1,424	913	65.9%	17	67.1%	267	18.8%
<b>Washington</b>	<b>6,539</b>	<b>5,430</b>	<b>85.3%</b>	<b>174</b>	<b>88.0%</b>	<b>447</b>	<b>6.8%</b>
Male	3,423	2,752	83.0%	104	86.1%	276	8.1%
Female	3,116	2,678	87.8%	70	90.1%	171	5.5%
White	3,605	3,118	88.3%	110	91.4%	184	5.1%
Black	170	124	77.7%	3	79.4%	21	12.4%
Hispanic	1,698	1,249	77.2%	40	79.5%	189	11.1%

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## HIGH SCHOOL GRADUATION RATES, 2016-2017 FOUR-YEAR COHORT COMPLETER RATE (CONTINUED)

	Adjusted Cohort	Diploma*	Graduation Rate (diploma)	Other Completers**	Completer Rate	Noncompleters***	Noncompleter Rate
<b>Yamhill</b>	<b>1,373</b>	<b>1,093</b>	<b>83.0%</b>	<b>25</b>	<b>84.9%</b>	<b>126</b>	<b>9.2%</b>
Male	718	554	81.6%	16	83.8%	71	9.9%
Female	655	539	84.6%	9	86.0%	55	8.4%
White	923	736	83.0%	20	85.2%	79	8.6%
Black	10	8	80.0%	0	80.0%	1	10.0%
Hispanic	343	283	84.8%	4	86.0%	31	9.0%
<b>Clark</b>	<b>6,398</b>	<b>5,258</b>	<b>82.2%</b>	<b>-</b>	<b>82.2%</b>	<b>659</b>	<b>10.3%</b>
Male	3,280	2,573	78.4%	-	78.4%	410	12.5%
Female	3,118	2,685	86.1%	-	86.1%	249	8.0%
White	4,459	3,709	83.2%	-	83.2%	433	9.7%
Black	156	123	78.8%	-	78.8%	18	11.5%
Hispanic	975	751	77.0%	-	77.0%	130	13.3%
<b>Cowlitz</b>	<b>1,297</b>	<b>1,032</b>	<b>79.6%</b>	<b>-</b>	<b>79.6%</b>	<b>157</b>	<b>12.1%</b>
Male	631	489	77.5%	-	77.5%	86	13.6%
Female	666	543	81.5%	-	81.5%	71	10.7%
White	979	790	80.7%	-	80.7%	112	11.4%
Black	6	4	66.7%	-	66.7%	1	16.7%
Hispanic	187	140	74.9%	-	74.9%	23	12.3%
<b>Skamania</b>	<b>79</b>	<b>65</b>	<b>82.3%</b>	<b>-</b>	<b>82.3%</b>	<b>13</b>	<b>16.4%</b>
Male	48	37	77.1%	-	77.1%	10	20.8%
Female	31	28	90.3%	-	90.3%	3	9.7%
White	62	52	83.9%	-	83.9%	9	14.5%
Black	-	-	-	-	-	-	-
Hispanic	13	10	76.9%	-	76.9%	3	23.1%
<b>Wahkiakum</b>	<b>32</b>	<b>27</b>	<b>84.4%</b>	<b>-</b>	<b>84.4%</b>	<b>2</b>	<b>6.2%</b>
Male	10	6	60.0%	-	60.0%	1	10.0%
Female	22	21	95.5%	-	95.5%	1	4.5%
White	26	23	88.5%	-	88.5%	1	3.8%
Black	-	-	-	-	-	-	-
Hispanic	5	4	80.0%	-	80.0%	1	20.0%

\* 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

## ENROLLMENT IN CONTINUING EDUCATION: 2016-2017 HIGH SCHOOL GRADUATES

Source: Oregon Department of Education, Washington Education Research and Data Center

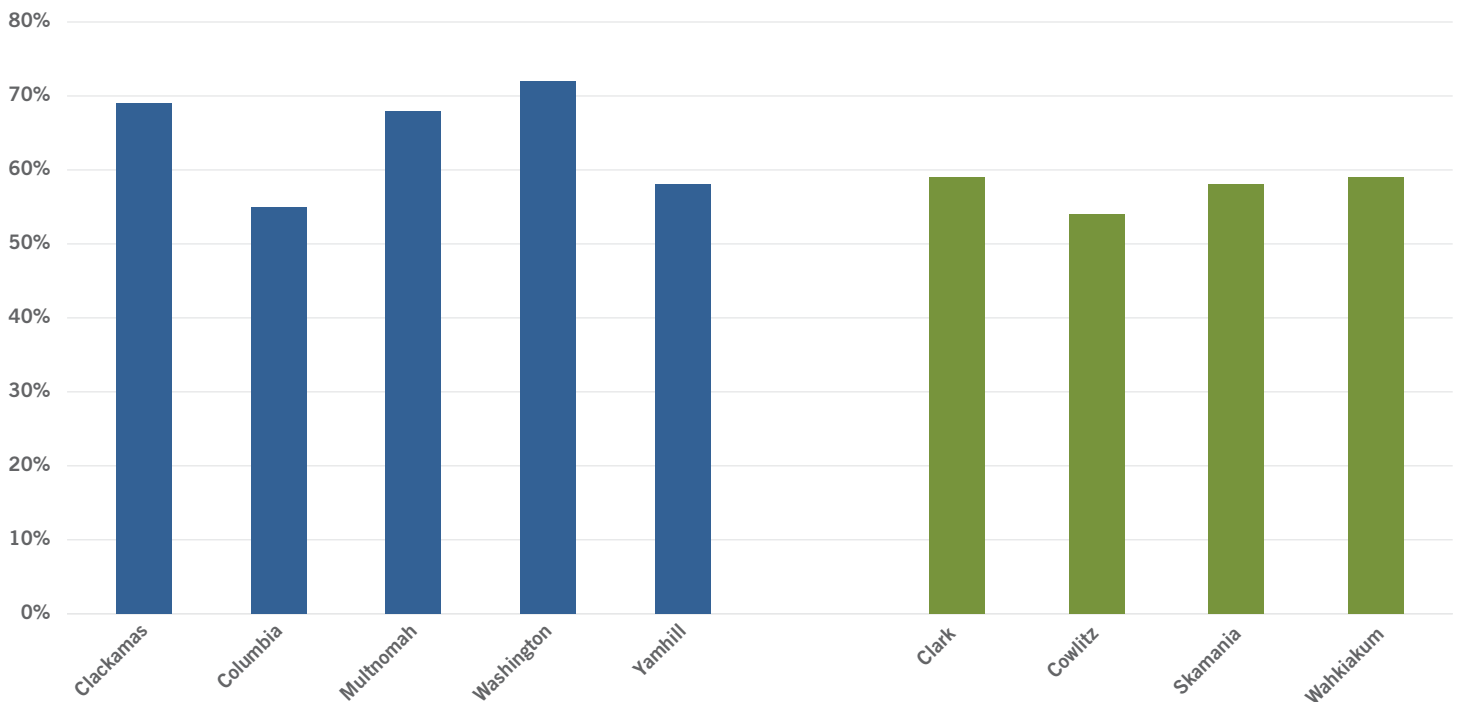
	High School Graduates	Enrollment in Continuing Education	Enrollment Rate
<b>Clackamas</b>	5,245	3,619	69%
<b>Columbia</b>	658	362	55%
<b>Multnomah</b>	6,724	4,572	68%
<b>Washington</b>	6,539	4,708	72%
<b>Yamhill</b>	1,373	796	58%
<b>Clark</b>	6,398	3,775	59%
<b>Cowlitz</b>	1,297	700	54%
<b>Skamania</b>	79	46	58%
<b>Wahkiakum</b>	32	19	59%

Graduates are students receiving regular diplomas (Oregon counties)

Continuing Education: Enrolled in a 2- or 4-year college

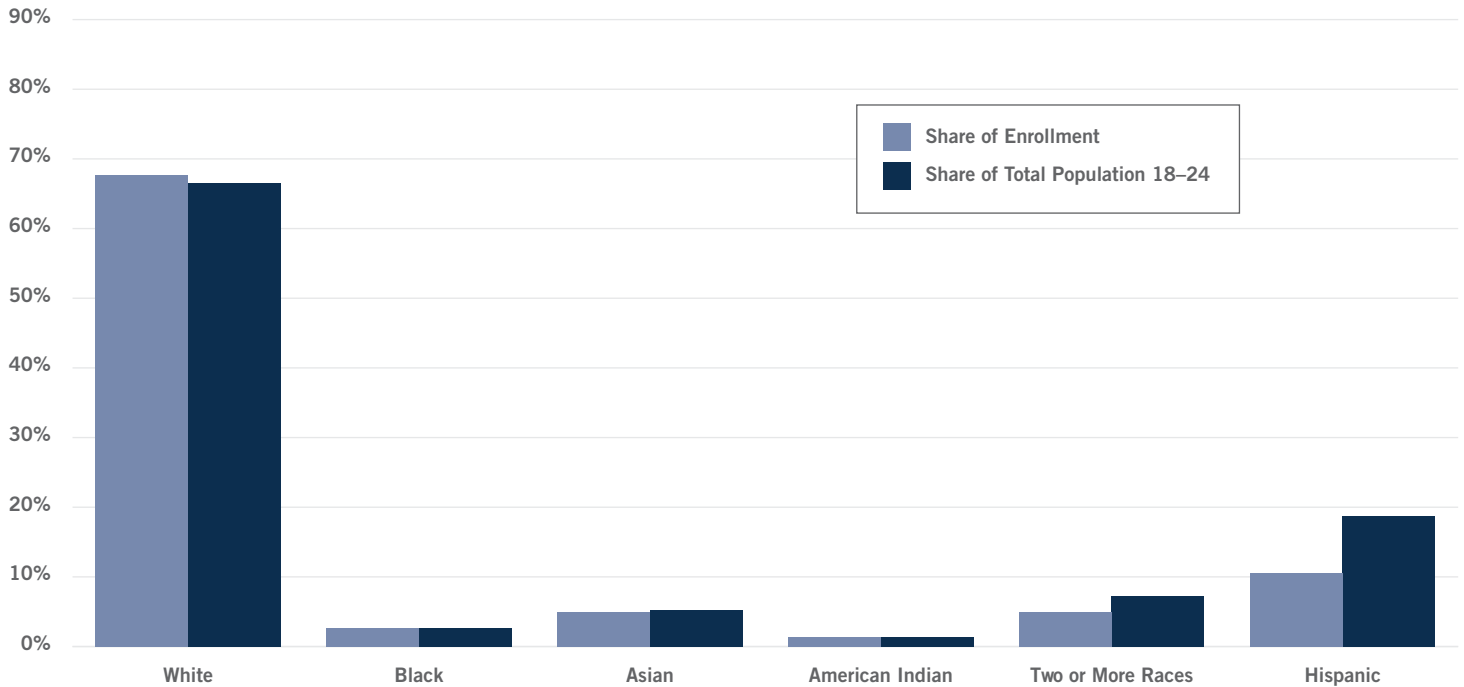
## CONTINUING EDUCATION ENROLLMENT RATES PORTLAND-VANCOUVER METRO AREA: 2015-2016

Source: Oregon Department of Education, Washington Education Research & Data Center



## COMPOSITION OF COLLEGE ENROLLMENT VS. TOTAL POPULATION 2- AND 4-YEAR INSTITUTIONS: OREGON, 2016

Source: National Center for Education Statistics



## GRADUATION RATES OF 2-YEAR, DEGREE-GRANTING INSTITUTIONS PORTLAND-AREA SCHOOLS, 2013 COHORT YEAR

Source: National Center for Education Statistics

Institution name	Fall 2016 Total Enrollment*	Degree-Seeking	Completers	Graduation Rate**
<b>Clackamas Community College</b>	6,777	678	150	22.1%
<b>Concorde Career College-Portland</b>	602	723	561	77.6%
<b>Mt Hood Community College</b>	9,170	1,270	269	21.2%
<b>Portland Community College</b>	28,494	1,173	192	16.4%
<b>Sumner College</b>	260	48	38	79.2%

\* All students, including degree/certificate- and non-degree/certificate-seeking

\*\* Graduation rates are 150% of normal time (3 years for a 2-year degree)

## GRADUATION RATES OF 4-YEAR, DEGREE-GRANTING INSTITUTIONS OREGON AND WASHINGTON SCHOOLS, 2010 COHORT YEAR

*Source: National Center for Education Statistics*

Institution name	Fall 2016 Total Enrollment*	Degree-Seeking (Bachelor's or equivalent)	Completers	Graduation Rate**
<b>Oregon</b>				
Concordia University-Portland	5,455	223	98	43.9%
Corban University	1,193	212	125	59.0%
Eastern Oregon University	3,176	438	136	31.1%
George Fox University	4,139	488	310	63.5%
Lewis & Clark College	3,419	491	387	78.8%
Linfield College-McMinnville Campus	1,632	528	371	70.3%
Marylhurst University	808	9	2	22.2%
Mount Angel Seminary	190	5	3	60.0%
Multnomah University	713		41	48.2%
New Hope Christian College-Eugene	102	28	9	32.1%
Northwest Christian University	766	75	38	50.7%
Oregon College of Art and Craft	163	12	6	50.0%
Oregon Institute of Technology	5,223	286	134	46.9%
Oregon State University	30,354	3,480	2,204	63.3%
Pacific Northwest College of Art	478	92	29	31.5%
Pacific University	3,909	474	275	58.0%
Pioneer Pacific College	1,078	-	-	-
Portland State University	26,627	1,366	661	48.4%
Reed College	1,427	373	291	78.0%
Southern Oregon University	6,243	735	285	38.8%
The Art Institute of Portland	695	159	44	27.7%
University of Oregon	23,546	3,911	2,813	71.9%
University of Phoenix-Oregon	106	189	33	17.5%
University of Portland	4,383	888	726	81.8%
Warner Pacific College	483	90	37	41.1%
Warner Pacific College Adult Degree Program	639	13	6	46.2%
Western Oregon University	5,382	1,039	404	38.9%
Western Seminary	712	-	-	-
Willamette University	2,556	427	332	77.8%

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## GRADUATION RATES OF 4-YEAR, DEGREE-GRANTING INSTITUTIONS OREGON AND WASHINGTON SCHOOLS, 2010 COHORT YEAR (CONTINUED)

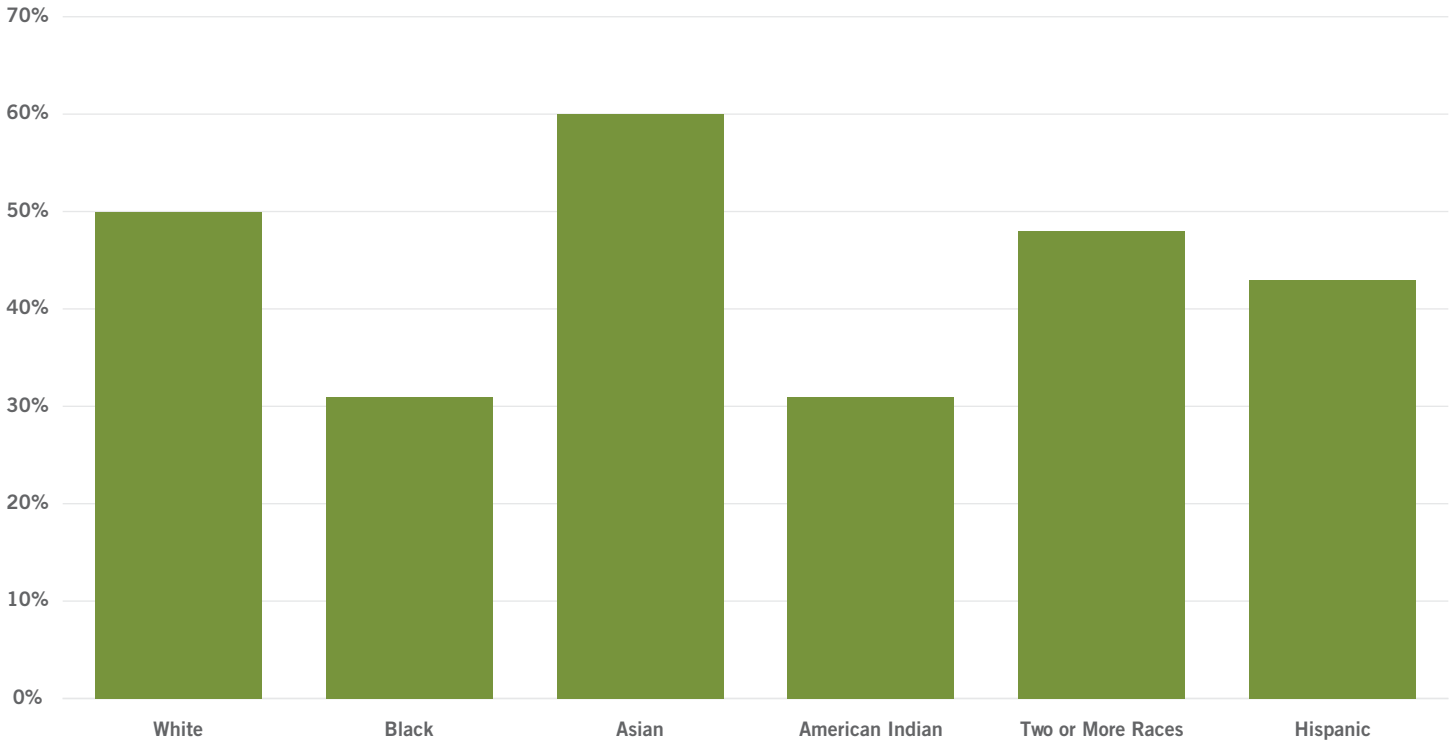
Institution name	Fall 2016 Total Enrollment*	Degree-Seeking (Bachelor's or equivalent)	Completers	Graduation Rate**
<b>Washington State</b>				
Antioch University-Seattle	568	31	4	12.9%
Argosy University-Seattle	59	1	1	100.0%
Central Washington University	11971	1665	874	52.5%
Charter College	2,676	74	9	12.2%
City University of Seattle	1,874	21	5	23.8%
Cornish College of the Arts	674	209	101	48.3%
DigiPen Institute of Technology	1,062	131	52	39.7%
Eastern Washington University	12,279	1,524	709	46.5%
Faith International University	588	5	4	80.0%
Gonzaga University	7567	1118	938	83.9%
Heritage University	1124	97	13	13.4%
Northwest College of Art & Design	98	30	19	63.3%
Northwest Indian College	579	7	6	85.7%
Northwest University	1,226	167	93	55.7%
Pacific Lutheran University	3,070	687	487	70.9%
Saint Martin's University	1,586	237	131	55.3%
Sanford-Brown College-Seattle	86	80	22	27.5%
Seattle Pacific University	4,061	726	515	70.9%
Seattle University	7,487	1,037	773	74.5%
The Art Institute of Seattle	965	202	53	26.2%
The Evergreen State College	4,089	612	345	56.4%
University of Phoenix-Washington	242	90	13	14.4%
University of Puget Sound	2,791	625	499	79.8%
University of Washington-Bothell Campus	5,734	391	262	67.0%
University of Washington-Seattle Campus	45,591	5,460	4,579	83.9%
University of Washington-Tacoma Campus	4,987	208	125	60.1%
Walla Walla University	1,894	300	161	53.7%
Washington State University	30,142	3,241	2,158	66.6%
Western Washington University	15,574	2,722	1,891	69.5%
Whitman College	1,493	415	364	87.7%
Whitworth University	2,634	683	496	72.6%

\* All students, including degree/certificate- and non-degree/certificate-seeking

\*\* Graduation rates are 150% of normal time (3 years for a 2-year degree)

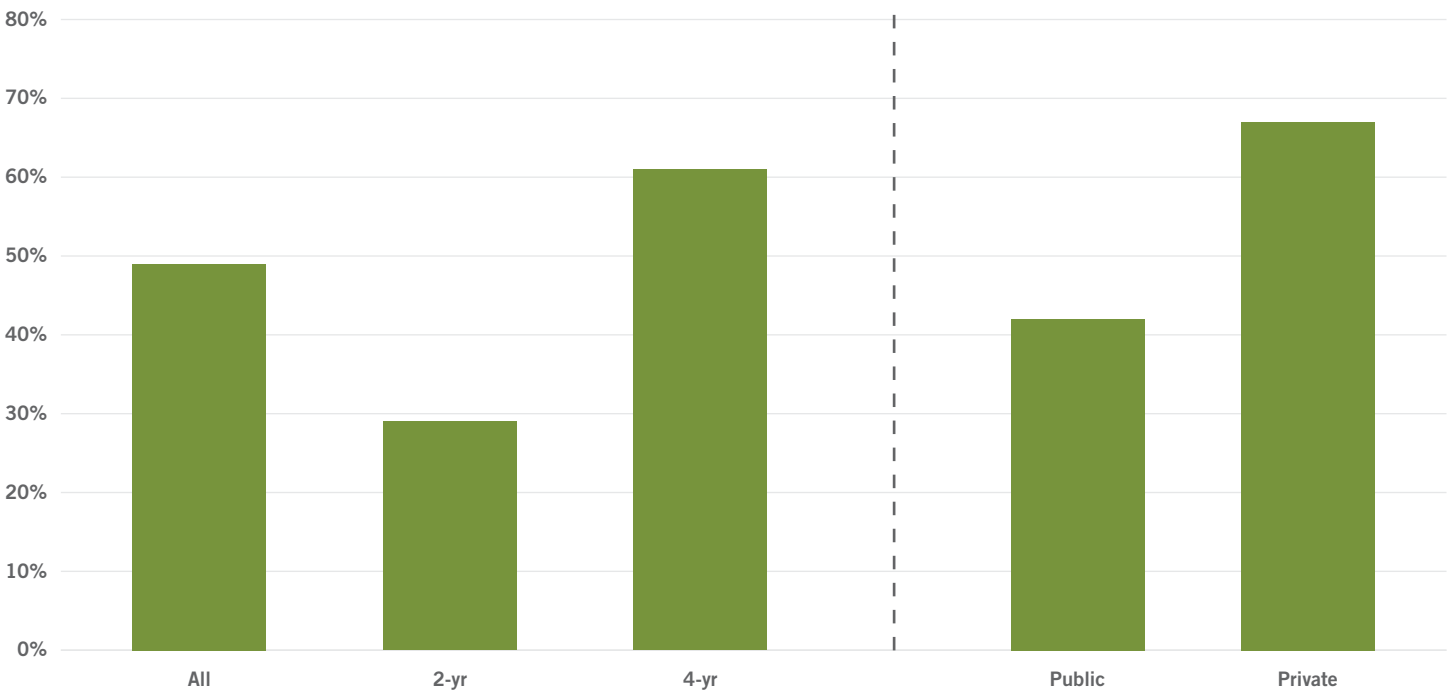
## COLLEGE COMPLETION RATES BY ETHNICITY OREGON 2- AND 4-YEAR COLLEGES: 2016

Source: National Center for Education Statistics



## COLLEGE COMPLETION RATES BY TYPE OF INSTITUTION, OREGON: 2016

Source: National Center for Education Statistics



## FIELDS OF BACHELOR'S DEGREES OF POPULATION 25 AND OLDER, 2016

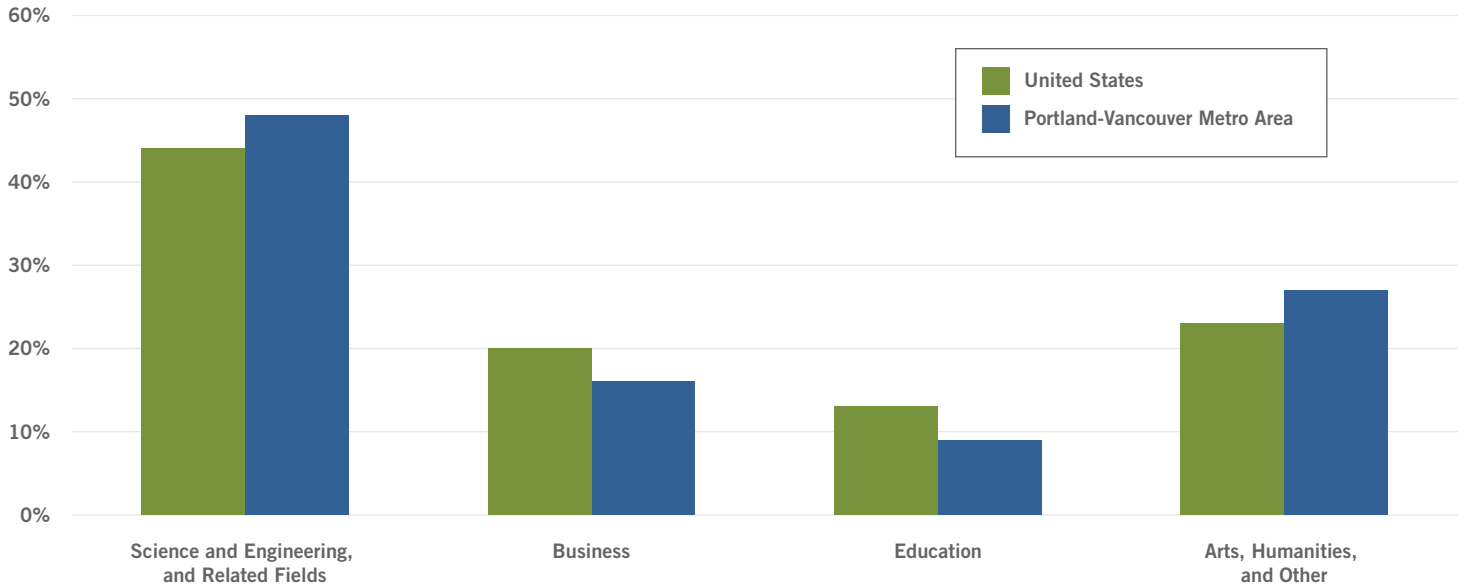
*Source: U.S. Census Bureau*

	Portland-Vancouver Metro Area	United States
<b>Number</b>		
<b>Total, Population 25 Years and Older</b>	<b>670,567</b>	<b>68,334,277</b>
<b>Science and Engineering</b>		
<b>Computers, Mathematics and Statistics</b>	25,456	3,070,646
<b>Biological, Agricultural, and Environmental Sciences</b>	50,409	4,261,869
<b>Physical and Related Sciences</b>	23,333	2,158,914
<b>Psychology</b>	36,842	3,270,563
<b>Social Sciences</b>	65,741	5,221,852
<b>Engineering</b>	55,019	5,357,590
<b>Multidisciplinary Studies</b>	5,370	463,443
<b>Science and Engineering Related Fields</b>	59,314	6,487,863
<b>Business</b>	106,247	13,874,749
<b>Education</b>	59,440	8,546,076
<b>Arts, Humanities, and Other</b>		
<b>Literature and Languages</b>	38,147	2,927,045
<b>Liberal Arts and History</b>	44,057	3,373,305
<b>Visual and Performing Arts</b>	41,693	2,812,759
<b>Communications</b>	27,529	2,665,764
<b>Other</b>	31,970	3,841,839
<b>Percent</b>		
<b>Science and Engineering</b>		
<b>Computers, Mathematics and Statistics</b>	3.8%	4.5%
<b>Biological, Agricultural, and Environmental Sciences</b>	7.5%	6.2%
<b>Physical and Related Sciences</b>	3.5%	3.2%
<b>Psychology</b>	5.5%	4.8%
<b>Social Sciences</b>	9.8%	7.6%
<b>Engineering</b>	8.2%	7.8%
<b>Multidisciplinary Studies</b>	0.8%	0.7%
<b>Science and Engineering Related Fields</b>	8.8%	9.5%
<b>Business</b>	15.8%	20.3%
<b>Education</b>	8.9%	12.5%
<b>Arts, Humanities, and Other</b>		
<b>Literature and Languages</b>	6%	4%
<b>Liberal Arts and History</b>	7%	5%
<b>Visual and Performing Arts</b>	6%	4%
<b>Communications</b>	4%	4%
<b>Other</b>	5%	6%

*Portland-Vancouver metro area excludes Wahkiakum*

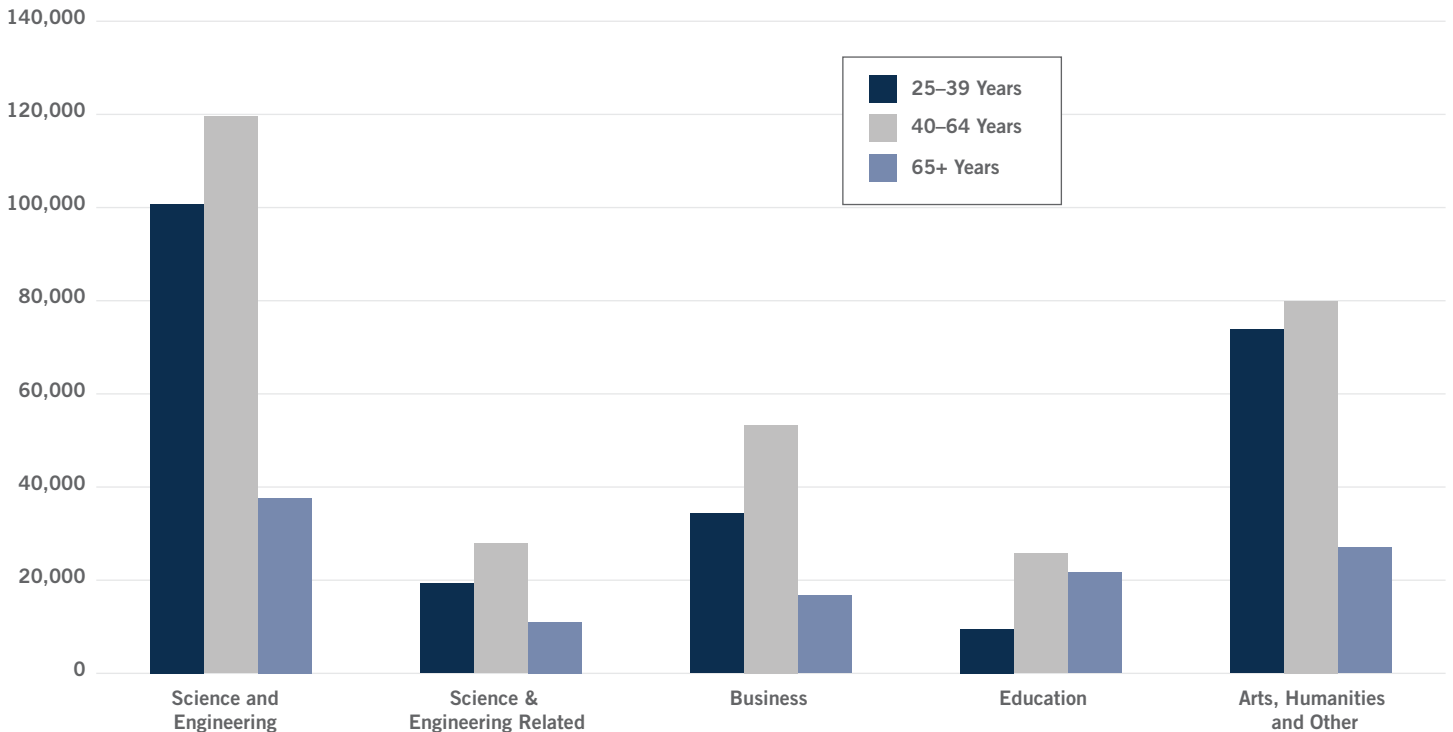
## FIELD OF BACHELOR'S DEGREE, POPULATION 25 AND OLDER: 2016

Source: U.S. Census



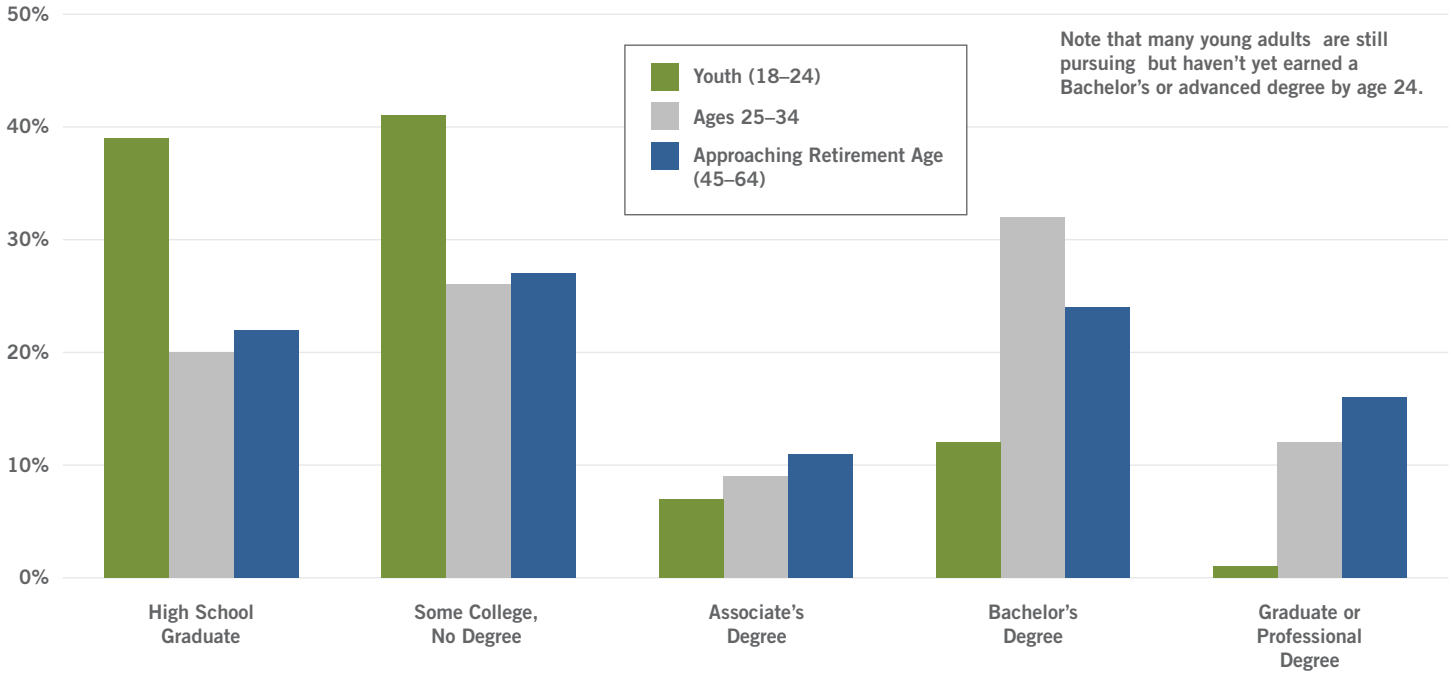
## FIELD OF BACHELOR DEGREE BY AGE PORTLAND-VANCOUVER METRO AREA: 2016

Source: U.S. Census



## EDUCATION OF YOUTH COMPARED TO OLDER ADULTS PORTLAND-VANCOUVER METRO AREA: 2016

*Source: U.S. Census*



## EDUCATIONAL ATTAINMENT OVER TIME

*Source: U.S. Census*

	Portland-Vancouver Metro Area	
	2000	2016
<b>Less than High School</b>	13.0%	8.3%
<b>High School Diploma</b>	24.3%	20.2%
<b>Some College</b>	27.7%	24.5%
<b>Associate Degree</b>	7.0%	9.0%
<b>Bachelor's Degree and Above</b>	28.0%	37.9%

*continued on next page*

## EDUCATIONAL ATTAINMENT OVER TIME (CONTINUED)

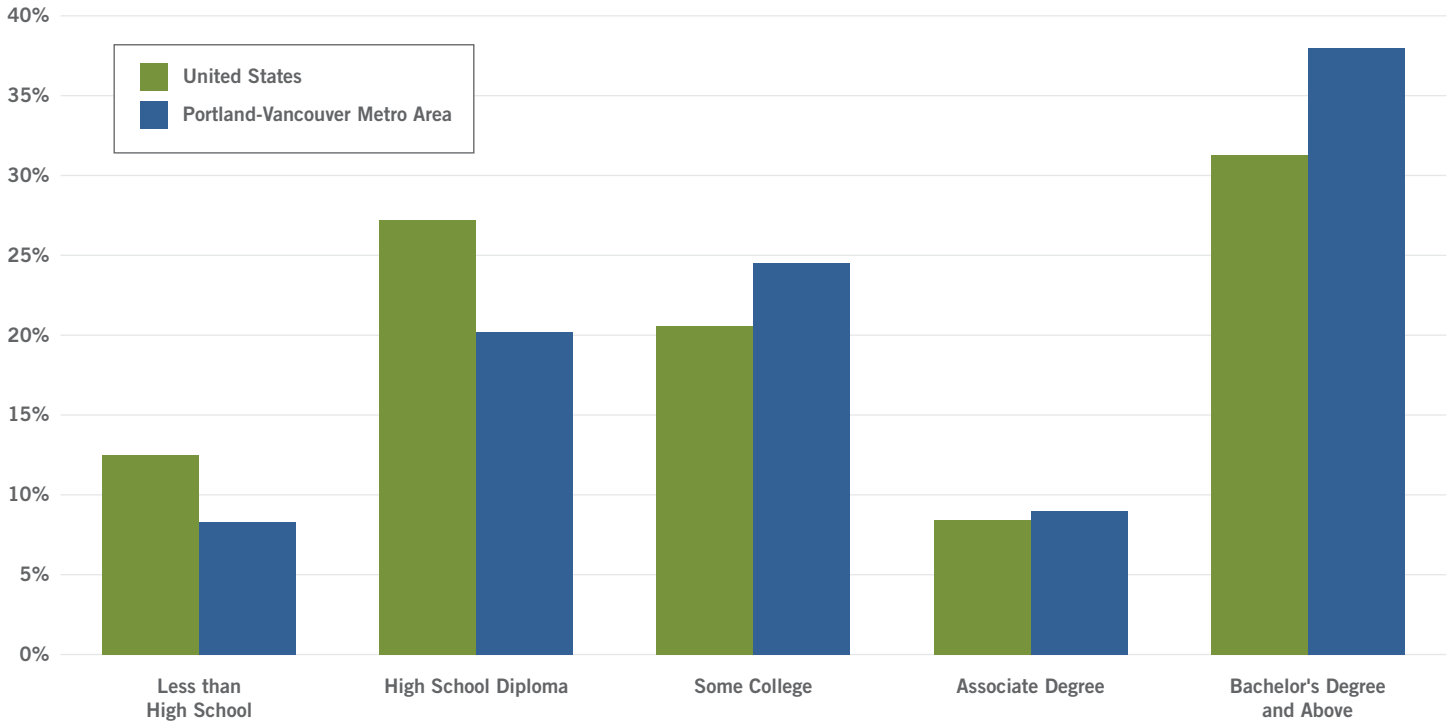
2016										
U.S.	Portland-Vancouver Metro Area	Clackamas	Columbia*	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania*	Wahkiakum*
Population 25 yrs. and Over	1,770,031	287,965	35,024	579,147	397,353	69,819	314,097	73,161	8,164	3072
Less than High School	147,281	18,179	3,379	51,157	33,680	7,569	23,987	8,804	779	211
High School Diploma	357,314	58,999	11,396	94,851	70,767	19,062	75,961	22,978	2,331	941
Some College	434,358	78,259	10,432	130,286	86,348	18,544	85,453	21,422	2,493	1116
Associate Degree	160,048	28,725	3,098	40,966	35,578	6,169	35,990	7,435	706	341
Bachelor's Degree	415,040	66,051	4,634	158,184	103,384	12,858	59,856	7,934	1,119	320
Master's Degree	176,299	25,595	1,755	67,374	47,743	4,010	24,582	3,646	584	128
Professional School Degree	46,848	7,500	220	22,735	9,520	667	5,372	719	67	8
Doctorate Degree	32,843	4,657	110	13,594	10,333	940	2,896	223	85	7

2000										
U.S.	Portland-Vancouver Metro Area	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum
Population 25 yrs. and Over	1,323,341	223,211	28,725	446,322	285,518	52,645	217,293	60,355	6,557	2715
Less than High School	171,738	24,674	4,149	64,087	31,670	9,064	26,578	10,160	927	429
High School Diploma	321,753	53,824	10,101	102,814	57,379	16,235	58,574	19,760	2,193	873
Some College	366,329	65,811	8,391	115,207	76,994	13,752	66,024	17,396	1,908	846
Associate Degree	92,417	15,571	2,060	27,386	20,926	2,737	18,120	5,023	428	166
Bachelor's Degree	247,110	42,207	2,825	89,711	67,657	7,042	31,596	5,048	764	260
Master's Degree	84,482	14,293	857	30,394	21,657	2,692	12,274	1,987	234	94
Professional School Degree	27,241	5,178	246	11,675	5,589	676	2,970	804	69	34
Doctorate Degree	12,271	1,653	96	5,048	3,646	447	1,157	177	34	13

\*2016 5-year estimates

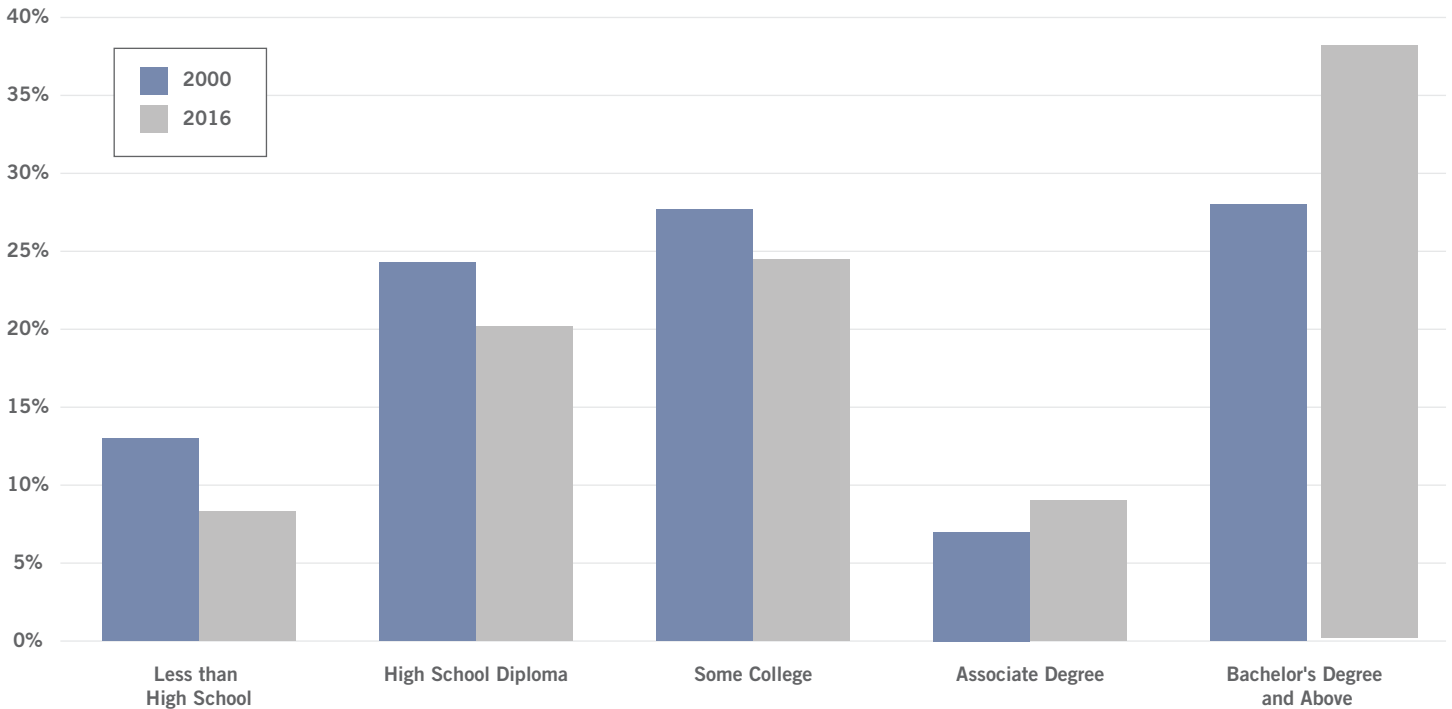
## POPULATION 25+ BY EDUCATIONAL ATTAINMENT: 2016

Source: U.S. Census



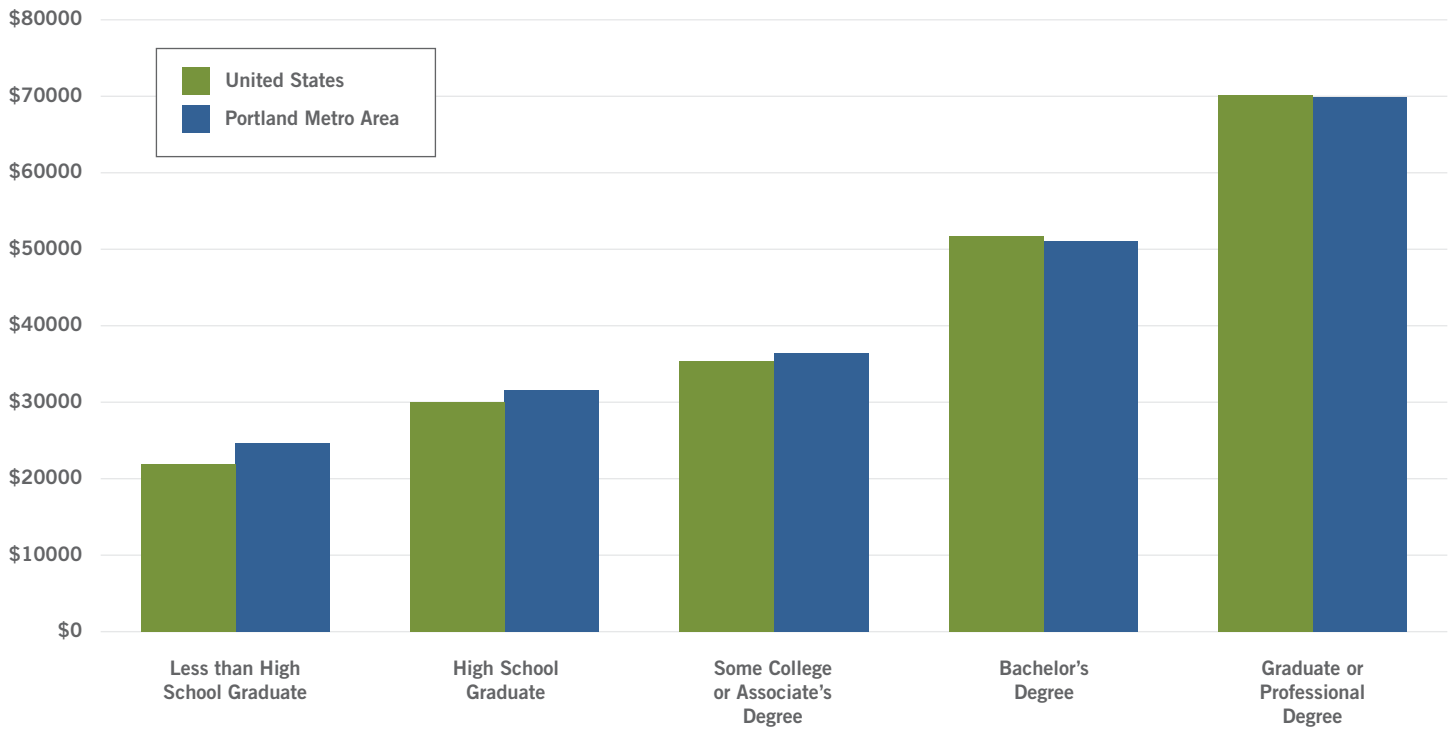
## EDUCATIONAL ATTAINMENT: 2000 VS. 2016 PORTLAND-VANCOUVER METRO AREA, POPULATION AGES 25+

Source: U.S. Census



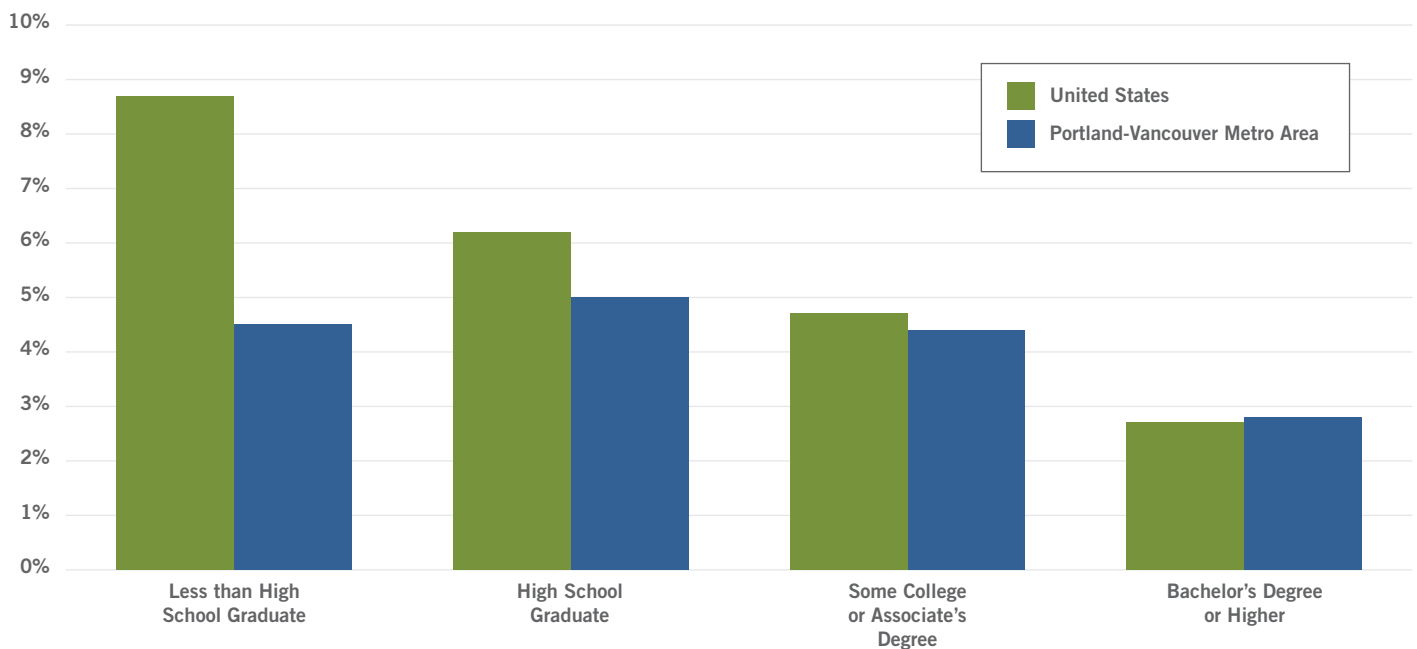
## MEDIAN EARNINGS BY EDUCATIONAL ATTAINMENT: 2016

Source: U.S. Census



## UNEMPLOYMENT RATE BY EDUCATIONAL ATTAINMENT: 2016

Source: U.S. Census





## ATTAINED NATIONAL CAREER READINESS CERTIFICATES: JANUARY 2012 - AUGUST 2018

Source: ACT Work Ready Communities

	Bronze		Silver		Gold		Platinum		NCRC Plus		Total		% of Goal Attained
	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Clackamas</b>	456	14%	1,802	54%	1,030	31%	59	2%	11	0.3%	3,347	100%	97%
<b>Columbia</b>	60	9%	386	60%	180	28%	13	2%	-	-	639	100%	76%
<b>Multnomah</b>	1,011	14%	3,706	52%	2,289	32%	141	2%	53	0.7%	7,147	100%	84%
<b>Washington</b>	605	12%	2,454	49%	1,850	37%	104	2%	186	3.7%	5,013	100%	79%
<b>Yamhill</b>	192	15%	662	53%	364	29%	22	2%	36	2.9%	1,240	100%	84%
<b>Clark</b>	58	13%	223	51%	148	34%	12	3%	-	-	441	100%	*
<b>Cowlitz</b>	20	3%	313	46%	296	43%	54	8%	-	-	683	100%	40%
<b>Skamania</b>	-	0%	7	88%	1	13%	-	0%	-	-	8	100%	*
<b>Wahkiakum</b>	-	0%	3	60%	2	40%	-	0%	-	-	5	100%	*
<b>TOTAL</b>	<b>2,402</b>	<b>13%</b>	<b>9,556</b>	<b>52%</b>	<b>6,160</b>	<b>33%</b>	<b>405</b>	<b>2%</b>	<b>286.0</b>	<b>1.5%</b>	<b>18,523</b>	<b>100%</b>	

\*Not yet fully participating

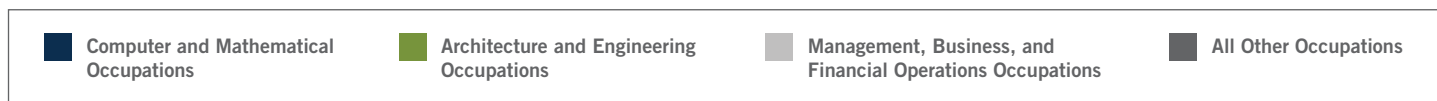
## CERTIFIED H1B VISAS BY OCCUPATIONAL GROUP: CALENDAR YEAR 2017 PORTLAND-VANCOUVER METRO AREA

Source: Department of Labor

Occupation Group	Number	%
<b>Management, Business, and Financial Operations Occupations</b>	604	6.3%
<b>Computer and Mathematical Occupations</b>	6,239	65.1%
<b>Architecture and Engineering Occupations</b>	2,302	24.0%
<b>All Other Occupations</b>	435	4.5%
<b>Life, Physical, and Social Science</b>	55	1.8%
<b>Other/Unknown</b>	39	1.2%

## H1B VISAS BY OCCUPATION GROUP, PORTLAND-VANCOUVER METRO AREA: 2017

Source: Department of Labor



# SOCIO-ECONOMIC WELLBEING

## POVERTY STATUS: INDIVIDUALS

Source: U.S. Census Bureau

	ALL AGES				UNDER 18			
	2000		2016		2000		2016	
	#	%	#	%	#	%	#	%
<b>United States</b>	31,581,086	11.3%	44,268,996	14%	11,587,118	16.2%	14,115,713	19.5%
<b>Portland-Vancouver Metro Area</b>	178,827	8.7%	279,444	10.9%	63,488	12.1%	79,525	14.1%
<b>Clackamas</b>	23,069	6.7%	35,647	8.8%	8,089	9.1%	9,909	11.5%
<b>Columbia</b>	3,756	8.5%	6,598	13.4%	1,337	11.5%	1,781	16.60%
<b>Multnomah</b>	69,392	10.5%	113,489	14.4%	23,244	15.5%	30,035	19.8%
<b>Washington</b>	30,295	6.6%	52,590	9.1%	11,265	9.1%	17,609	12.9%
<b>Yamhill</b>	7,511	9.2%	11,150	11.1%	2,895	12.7%	4,404	18.5%
<b>Clark</b>	31,736	8.9%	40,514	8.8%	11,978	12.0%	10,818	9.6%
<b>Cowlitz</b>	11,535	12.5%	17,297	16.8%	4,132	17.2%	4,405	19.6%
<b>Skamania</b>	1,132	11.4%	1,597	14.3%	418	16.6%	424	18.50%
<b>Wahkiakum</b>	401	10.8%	562	14.1%	130	15.8%	140	21.80%

## HOUSEHOLDS ON PUBLIC ASSISTANCE

Source: U.S. Census Bureau

	2000				2016			
	Households on Public Assistance	Total # of Households	% of all Households on PA	Mean Public Assistance	Households on Public Assistance	Total # of Households	% of all Households on PA	Mean Cash Public Assistance
<b>Clackamas</b>	2,797	128,360	2.2%	\$2,948	4,616	154,070	3.0%	\$1,981
<b>Columbia*</b>	551	16,388	3.4%	\$2,205	616	18,941	3.3%	\$3,005
<b>Multnomah</b>	11,478	272,356	4.2%	\$2,624	13,163	320,476	4.1%	\$2,814
<b>Washington</b>	3,822	169,287	2.3%	\$2,947	5,377	213,820	2.5%	\$3,123
<b>Yamhill</b>	872	28,700	3.0%	\$2,416	879	35,832	2.5%	\$2,665
<b>Clark</b>	5,609	127,290	4.4%	\$3,298	6,413	169,997	3.8%	\$2,178
<b>Cowlitz</b>	1,980	35,883	5.5%	\$3,516	2,677	40,170	6.7%	\$2,753
<b>Skamania*</b>	164	3,761	4.4%	\$3,202	129	4,577	2.8%	\$2,311
<b>Wahkiakum*</b>	74	1,544	4.8%	\$2,582	59	1,789	3.3%	\$1,395
<b>Portland-Vancouver Metro Area</b>	27,347	783,569	3.5%	\$2,893	33,929	959,672	3.5%	\$2,594
<b>United States</b>	3,629,732	105,539,122	3.4%	\$3,032	2,912,484	118,860,065	2.8%	\$3,057

\*2016 data are 5-year estimates

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

*Source: U.S. Census Bureau*

	2016		2007	
	Households	% of All Households	Households	% of All Households
<b>Clackamas</b>	16,044	10.4%	6,970	4.9%
<b>Columbia* **</b>	3,694	19.5%	1,705	9.4%
<b>Multnomah</b>	54,901	17.1%	31,854	10.9%
<b>Washington</b>	22,139	10.4%	13,518	7.0%
<b>Yamhill</b>	6,291	17.6%	4,263	12.8%
<b>Clark</b>	23,133	13.6%	10,709	7.1%
<b>Cowlitz</b>	9,109	22.7%	6,016	15.8%
<b>Skamania**</b>	668	14.6%	na	-
<b>Wahkiakum**</b>	313	17.5%	na	-
<b>Portland-Vancouver Metro Area</b>	136,292	17.4%	75,442	8.7%
<b>United States</b>	14,753,962	12.4%	8,676,234	7.7%

\* 2007 data are 3-year estimates

\*\* 2016 data are 5-year estimates

## SNAP PARTICIPATION (SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM)

*Source: Department of Human Services*

	2017-2018 Change		October 2018			October 2017		
	SNAP Persons- #	SNAP Persons- %	SNAP Persons	SNAP Persons per Thousand	Average Benefit per Person	SNAP Persons	SNAP Persons per Thousand	Average Benefit per Person
Portland Metro (Oregon portion)	-58,715	-24.4%	182,350	122.4	\$157	241,065	126.9	\$124
Clackamas	-10,504	-26.4%	29,333	71.0	\$161	39,837	100.2	\$123
Columbia	-2,398	-29.4%	5,770	112.4	\$178	8,168	162.1	\$122
Multnomah	-33,689	-27.0%	91,016	113.3	\$168	124,705	160.4	\$128
Washington	-8,161	-15.7%	43,777	73.5	\$135	51,938	91.0	\$119
Yamhill	-3,963	-24.1%	12,454	117.2	\$140	16,417	158.4	\$118

	October 2016			October 2015			October 2014	
	SNAP Persons	SNAP Persons per Thousand	Average Benefit per Person	SNAP Persons	SNAP Persons per Thousand	Average Benefit per Person	SNAP Persons	SNAP Persons per Thousand
Portland Metro (Oregon portion)	259,751	136.8	\$125	290,360	155.2	\$127	306,646	166.2
Clackamas	44,135	111.1	\$125	47,699	121.8	\$125	50,849	131.7
Columbia	8,655	171.8	\$124	9,056	180.8	\$125	9,580	192.2
Multnomah	132,341	170.2	\$129	150,587	196.6	\$132	158,846	210.0
Washington	56,925	99.8	\$120	64,115	114.4	\$122	67,401	122.3
Yamhill	17,695	170.8	\$119	18,903	184.4	\$119	19,970	196.9

	October 2013		October 2012		Oct. 2011	Oct. 2010	Oct. 2009	Oct. 2008	Oct. 2007	Oct. 2006
	SNAP Persons	SNAP Persons per Thousand	SNAP Persons	SNAP Persons per Thousand	SNAP Persons	SNAP Persons	SNAP Persons	SNAP Persons	SNAP Persons	SNAP Persons
Portland Metro (Oregon portion)	315,507	173.1	319,788	177.0	310,988	287,966	254,475	186,891	166,302	163,997
Clackamas	51,588	135.2	52,816	139.5	51,531	47,275	40,982	29,121	24,766	22,710
Columbia	9,752	196.3	9,913	199.8	9,538	8,965	8,191	5,987	5,163	5,454
Multnomah	163,726	218.8	164,940	222.3	159,363	147,745	131,937	99,876	91,748	90,976
Washington	69,586	128.2	71,016	132.4	70,026	64,880	56,423	38,947	33,504	34,080
Yamhill	20,855	207.4	21,103	211.3	20,530	19,101	16,942	12,960	11,121	10,777

**WORKING POOR: 2016  
(PEOPLE WORKING FULL TIME, YEAR ROUND AND EARNING LESS THAN \$25,000)**

*Source: U.S. Census Bureau*

	Clackamas	Columbia*	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania*	Wahkiakum*	Portland-Vancouver Metro Area	U.S.
<b>Full-time, Year-round Workers with Earnings</b>	139,527	14,000	289,664	209,691	34,790	153,623	26,617	3,105	789	871,806	108,211,817
<b>Earned Under \$25,000 (Working Poor)</b>	18,418	2,478	40,553	30,825	7,445	17,513	4,418	425	95	122,170	20,019,186
<b>Percent of Full-time, Year-round Workers Earning Less than \$25,000</b>	13.2%	17.7%	14.0%	14.7%	21.4%	11.4%	16.6%	13.7%	12.1%	14.0%	18.5%

*\*5-year estimates*

## PEOPLE IN SUBSIDIZED HOUSING

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

	2000				2016			
	People Per Unit	People in Subsidized Housing	Total Population	% in Subsidized Housing	People Per Unit	People in Subsidized Housing	Total Population	% in Subsidized Housing
<b>Clackamas</b>	2.4	4,400	338,391	1.3%	2	5,317	412,715	1.3%
<b>Columbia</b>	2.3	400	43,560	0.9%	2	1,114	50,851	2.2%
<b>Multnomah</b>	2.3	22,400	660,486	3.4%	1.9	28,649	809,309	3.5%
<b>Washington</b>	2.6	5,500	445,342	1.2%	2.2	8,021	590,527	1.4%
<b>Yamhill</b>	2.7	3,300	84,992	3.9%	2.3	3,191	103,630	3.1%
<b>Clark</b>	1.9	2,800	345,238	0.8%	2	7,931	473,416	1.7%
<b>Cowlitz</b>	-	-	-	-	1.9	2,750	105,458	2.6%
<b>Skamania</b>	2.1	100	9,872	1.0%	1.8	211	11,547	1.8%
<b>Wahkiakum</b>	-	-	-	-	1.6	58	4,140	1.4%
<b>Total</b>	-	<b>38,900</b>	<b>1,927,881</b>	<b>2.0%</b>	-	<b>57,242</b>	<b>2,561,595</b>	<b>2.2%</b>
<b>Portland Metro Area</b>	-	<b>41,000</b>	-	-	-	<b>55,572</b>	-	-

2000 data unreliable for Cowlitz and Wahkiakum.

# COMMUTING PATTERNS

## NET COMMUTING: 2015

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

	Total Resident Workers	Out Commuting	% Out Commuting	Total County Jobs	In Commuting	% In Commuting	Net Gain
<b>Clackamas</b>	182,019	119,004	65%	155,250	92,235	59%	(26,769)
<b>Columbia</b>	21,718	15,891	73%	9,852	4,025	41%	(11,866)
<b>Multnomah</b>	372,192	127,240	34%	487,351	242,399	50%	115,159
<b>Washington</b>	270,443	124,074	46%	284,236	137,869	49%	13,795
<b>Yamhill</b>	42,679	23,339	55%	34,248	14,908	44%	(8,431)
<b>Clark</b>	199,916	97,506	49%	142,126	39,716	28%	(57,790)
<b>Cowlitz</b>	45,930	22,765	50%	35,996	12,831	36%	(9,934)
<b>Skamania</b>	4,878	3,699	76%	2,656	1,477	56%	(2,222)
<b>Wahkiakum</b>	1,374	951	69%	723	300	41%	(651)

## MEANS OF TRANSPORTATION TO WORK: 2016

*Source: U.S. Census*

	United States	Portland-Vancouver Metro Area	Clackamas	Columbia *	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania*	Wahkiakum*
<b>Workers 16+</b>	150,377,159	1,254,020	199,405	20,051	425,842	297,282	48,041	216,925	40,713	4,554	1,207
<b>Drove Alone</b>	114,771,057	892,182	147,521	15,681	260,530	219,735	37,111	173,984	33,398	3,312	910
<b>Carpooled</b>	13,577,238	115,369	19,535	2,444	36,883	30,292	4,908	16,861	3,935	442	69
<b>Public Trans.</b>	7,649,210	78,392	6,744	154	49,220	17,444	247	4,332	192	10	49
<b>Walked</b>	4,086,487	40,729	4,325	492	21,781	6,524	1,725	4,498	1,157	159	68
<b>Other Means</b>	2,701,374	39,496	3,719	172	25,906	5,516	735	3,085	212	127	24
<b>Worked at Home</b>	7,591,793	87,852	17,561	1,108	31,522	17,771	3,315	14,165	1,819	504	87
<b>Mean Travel Time to Work (minutes)</b>	26.6	27.5	29.3	33.1	27.7	25	26.5	28.4	25.4	30.2	30

	United States	Portland-Vancouver Metro Area	Clackamas	Columbia *	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania*	Wahkiakum*
<b>Workers 16+</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Drove Alone</b>	76.3%	71.1%	74.0%	78.2%	61.2%	73.9%	77.2%	80.2%	82.0%	72.7%	75.4%
<b>Carpooled</b>	9.0%	9.2%	9.8%	12.2%	8.7%	10.2%	10.2%	7.8%	9.7%	9.7%	5.7%
<b>Public Trans.</b>	5.1%	6.3%	3.4%	0.8%	11.6%	5.9%	0.5%	2.0%	0.5%	0.2%	4.1%
<b>Walked</b>	2.7%	3.2%	2.2%	2.5%	5.1%	2.2%	3.6%	2.1%	2.8%	3.5%	5.6%
<b>Other Means</b>	1.8%	3.1%	1.9%	0.9%	6.1%	1.9%	1.5%	1.4%	0.5%	2.8%	2.0%
<b>Worked at Home</b>	5.0%	7.0%	8.8%	5.5%	7.4%	6.0%	6.9%	6.5%	4.5%	11.1%	7.2%

\* 2016 5-year estimates



## COUNTY BY COUNTY COMMUTING PATTERNS (TOP 5 FOR EACH): 2015

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

Clackamas County Residents going to:	Count
Multnomah County	65,986
Clackamas County	63,015
Washington County	30,844
Marion County	7,632
Clark County	2,744

Columbia County Residents Going to:	Count
Multnomah County	6,186
Columbia County	5,827
Washington County	3,766
Clackamas County	1,117
Cowlitz County	1,044

Multnomah County Residents Going to:	Count
Multnomah County	244,952
Washington County	52,489
Clackamas County	37,751
Clark County	10,632
Marion County	6,452

Washington County Residents Going to:	Count
Washington County	146,369
Multnomah County	75,307
Clackamas County	22,682
Marion County	6,365
Yamhill County	3,611

Yamhill County Residents Going to:	Count
Yamhill County	19,340
Washington County	8,554
Marion County	3,912
Multnomah County	3,391
Clackamas County	2,519

Clark County Residents Going to:	Count
Clark County	102,410
Multnomah County	46,315
King County	11,042
Washington County	9,820
Clackamas County	6,496

Cowlitz County Residents Going to:	Count
Cowlitz County	23,165
Clark County	5,070
King County	3,287
Multnomah County	2,511
Peirce County	1,862

Skamania County Residents Going to:	Count
Skamania County	1,179
Clark County	822
Multnomah County	558
King County	326
Klickitat County	293

Wahkiakum County Residents Going to:	Count
Wahkiakum County	423
Cowlitz County	214
Pacific County	122
King County	95
Multnomah County	70

# JOBS AND INDUSTRIES

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

Source: Portland Business Journal; July 2017

Rank	Company	Number of Local Employees	Local County
1	Intel Corp	19,300	Washington
2	Providence Health & Services	17,543	var.
3	Oregon Health and Science University	16,200	Multnomah
4	Legacy Health System	12,955	var.
5	Nike Inc.	12,000	Washington
6	Fred Meyer Stores	10,637	var.
7	Kaiser Permanente Northwest*	10,269	var.
8	City of Portland	7,043	Multnomah
9	Portland Public Schools	6,780	Multnomah
10	Multnomah County	6,189	Multnomah
11	Beaverton School District	4,903	Washington
12	Vancouver Public Schools	4,600	Clark
13	PeaceHealth Southwest Washington Medical Center	4,448	Clark
14	U.S. Bank	4,242	var.
15	Wells Fargo	4,100	var.
16	U.S. Postal Service	3,838	var.
17	Portland Community College	3,804	Multnomah
18	New Seasons Market	3,585	var,
19	Portland State University	3,512	Multnomah
20	U.S. Department of Veterans Affairs	3,437	var.
21	TriMet	2,958	Multnomah
22	Daimler Trucks North America	2,800	Multnomah
23	Hillsboro School District	2,496	Washington
24	The Standard	2,329	Multnomah
25	Oregon Department of Human Services	2,277	var.
26	Clackamas County	2,269	Clackamas
27	Portland General Electric	2,170	Multnomah
28	North Clackamas Schools	2,120	Clackamas
29	Comcast	1,953	var.

Rank	Company	Number of Local Employees	Local County
30	Washington County	1,947	Washington
31	Goodwill Industries of the Columbia Willamette	1,930	var.
32	adidas America Inc.	1,717	Multnomah
33	Cambia Health Solutions	1,715	Clark
34	Columbia Sportswear Co.*	1,702	Washington
35	David Douglas School District	1,591	Multnomah
36	The Boeing Company	1,500	Multnomah
37	Metro	1,497	Multnomah
38	Tigard-Tualatin School District	1,401	Washington
39	Reynolds School District	1,321	Multnomah
40	Moda, Inc.	1,270	Multnomah
41	Mt. Hood Community College	1,245	Multnomah
42	Gresham-Barlow School District	1,170	Multnomah
43	West Linn-Wilsonville School District	1,148	Clackamas
44	Oregon City School District	1,118	Multnomah
45	City of Hillsboro	1,060	Washington
46	Bonneville Power Administration	1,054	Multnomah
47	Lake Oswego School District	928	Clackamas
48	KinderCare Education	889	var,
49	Tualatin Hills Park and Recreation District	871	Washington
50	Oregon Health Authority	752	var.
51	Qorvo	710	Washington
52	Harder Mechanical Contractors	700	Multnomah
53	Umpqua Bank	618	var.

\* 2016 employment

var. = various counties

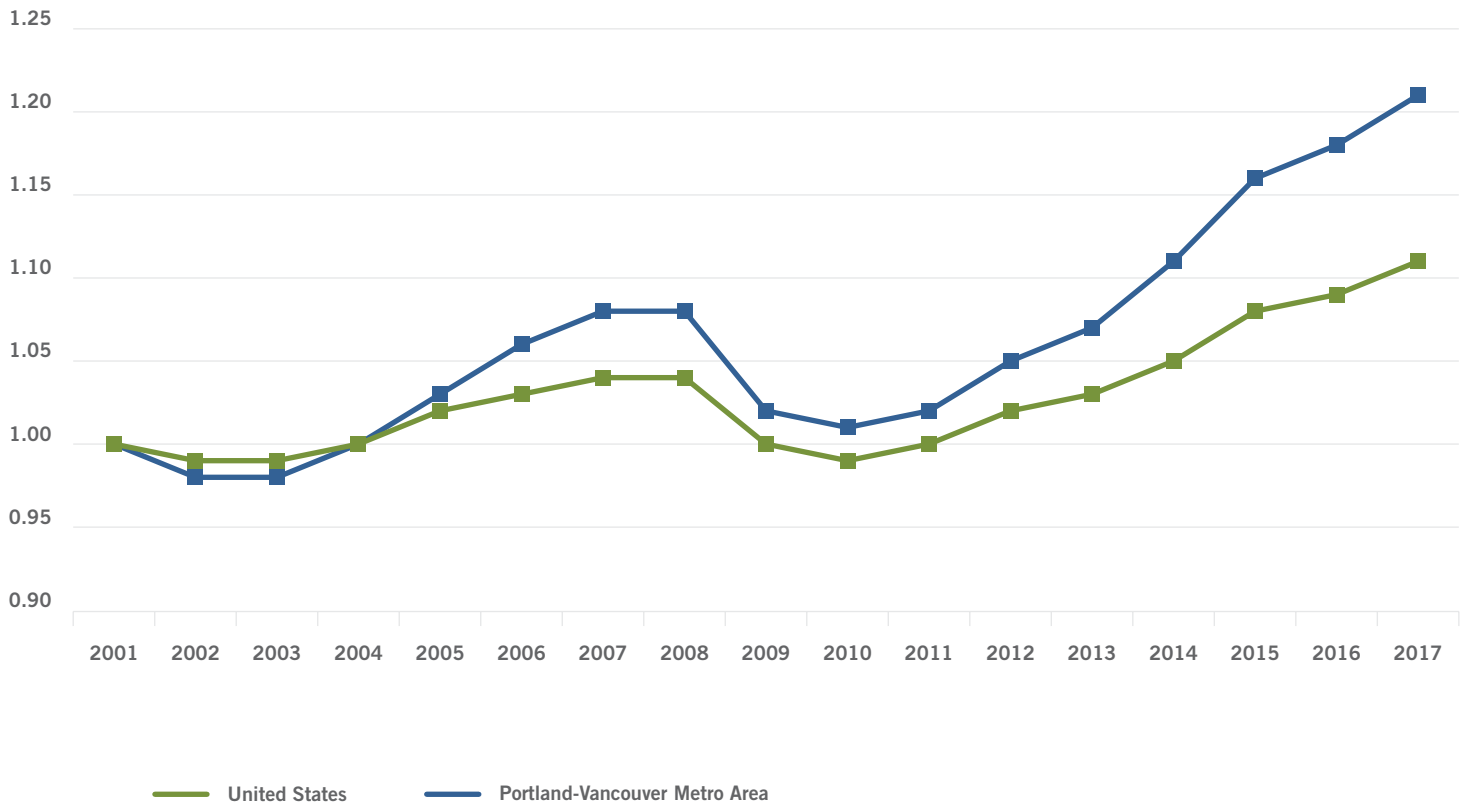
## TOTAL EMPLOYMENT: 2007 AND 2017

Source: Emsi

	Clackamas	Columbia	Multnomah	Washington	Yamhill	Clark	Cowlitz	Skamania	Wahkiakum	Portland-Vancouver Metro Area
<b>2007</b>	154,794	11,183	474,491	256,999	35,393	139,544	39,237	2,356	877	1,114,874
<b>2017</b>	167,124	11,742	529,312	297,861	39,239	162,432	40,260	2,175	664	1,250,809
<b>2007-2017 Change (#)</b>	12,330	559	54,821	40,862	3,846	22,888	1,023	-181	-213	135,935
<b>2007-2017 Change (%)</b>	8.0%	5.0%	11.6%	15.9%	10.9%	16.4%	2.6%	-7.7%	-24.3%	12.2%
<b>2007 Share of Employment</b>	13.9%	1.0%	42.6%	23.1%	3.2%	12.5%	3.5%	0.2%	0.1%	-
<b>2017 Share of Employment</b>	13.4%	0.9%	42.3%	23.8%	3.1%	13.0%	3.2%	0.2%	0.1%	-

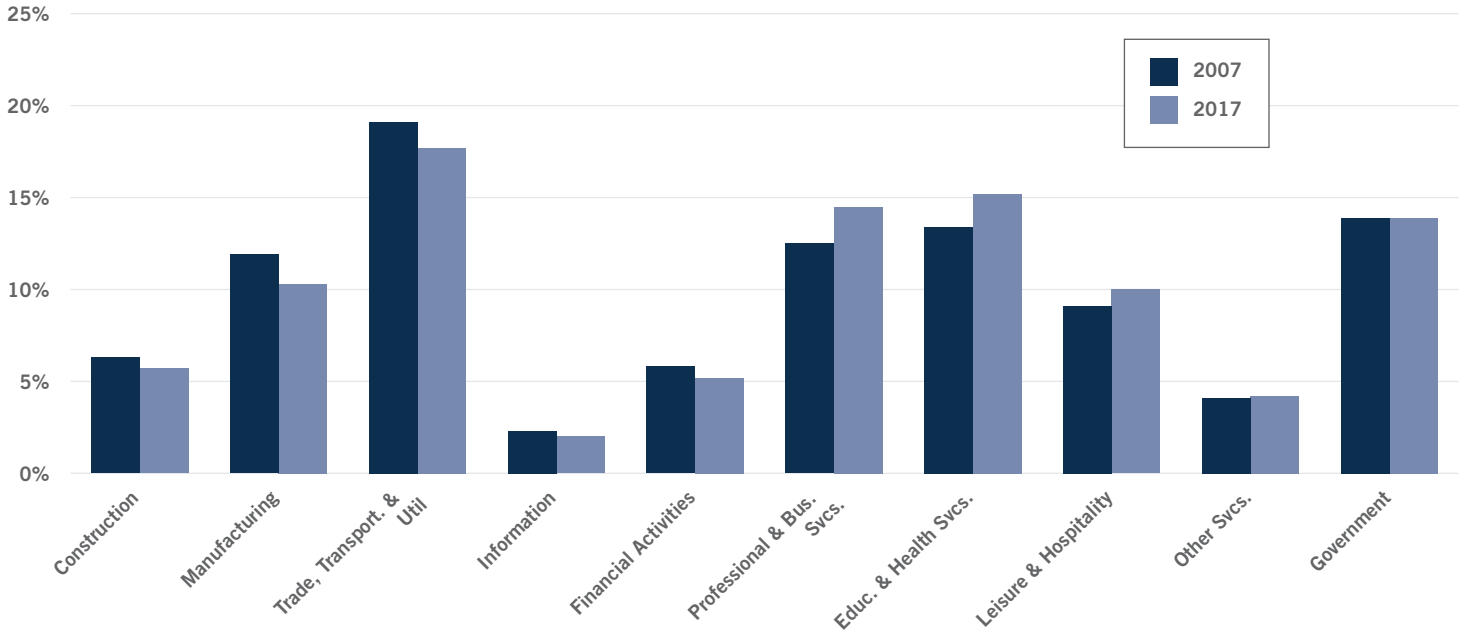
## TOTAL EMPLOYMENT: PORTLAND-VANCOUVER METRO AREA AND U.S.: 2001-2015 (2001 INDEXED TO 1)

Source: Emsi



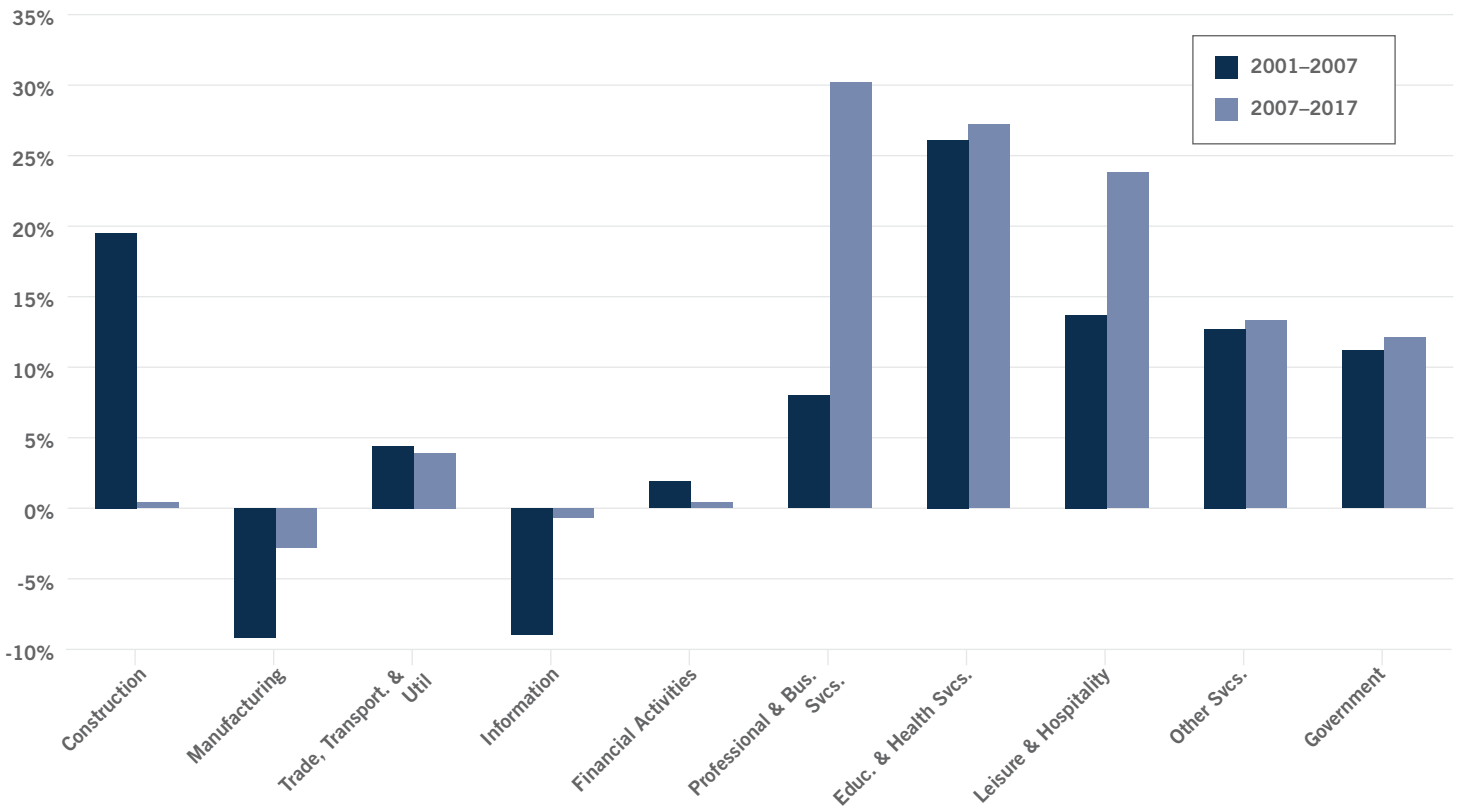
## DISTRIBUTION OF EMPLOYMENT BY BROAD INDUSTRY PORTLAND-VANCOUVER METRO AREA: 2007 VS. 2017

Source: Emsi



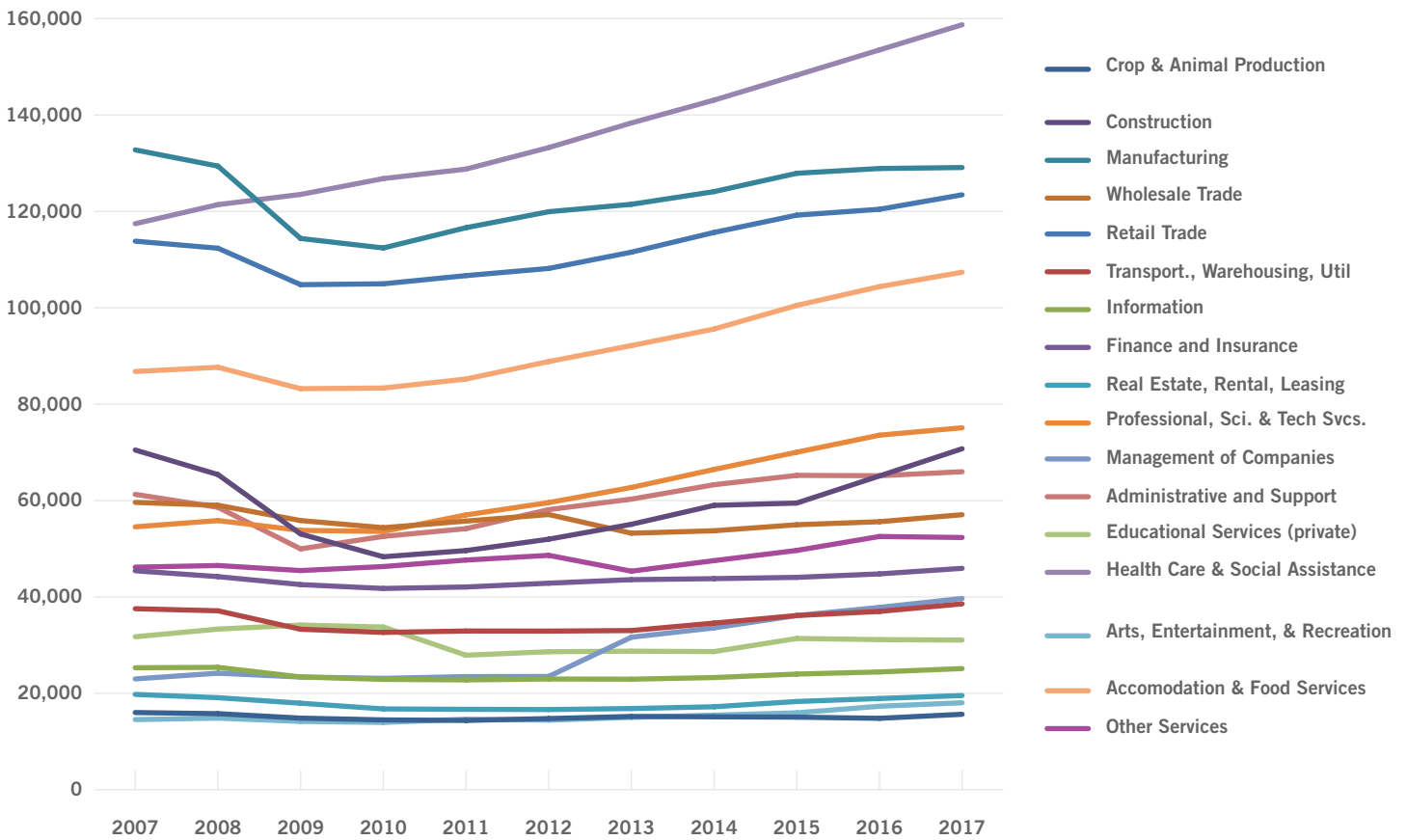
## EMPLOYMENT GROWTH BY BROAD INDUSTRY PORTLAND-VANCOUVER METRO AREA: 2001-2017

Source: : Emsi



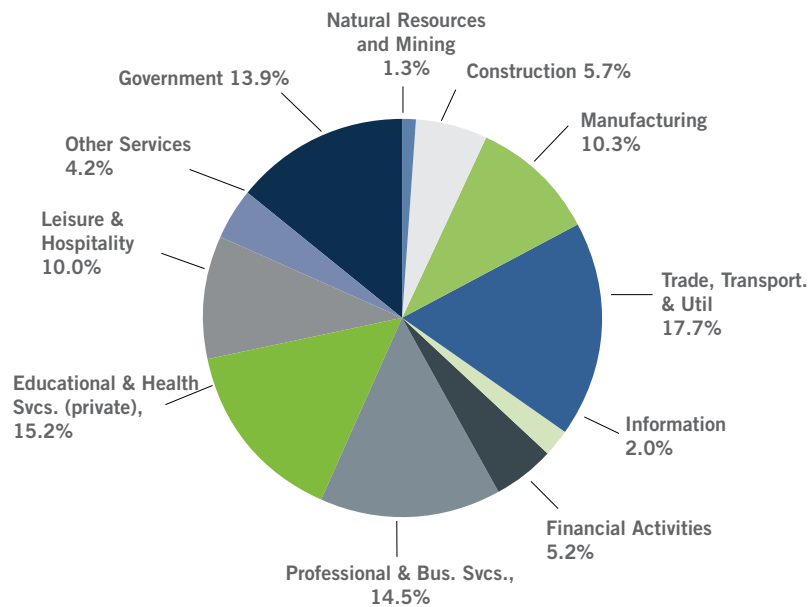
## EMPLOYMENT BY INDUSTRY PORTLAND-VANCOUVER METRO AREA: 2007-2017 (PRIVATE SECTOR)

Source: Emsi



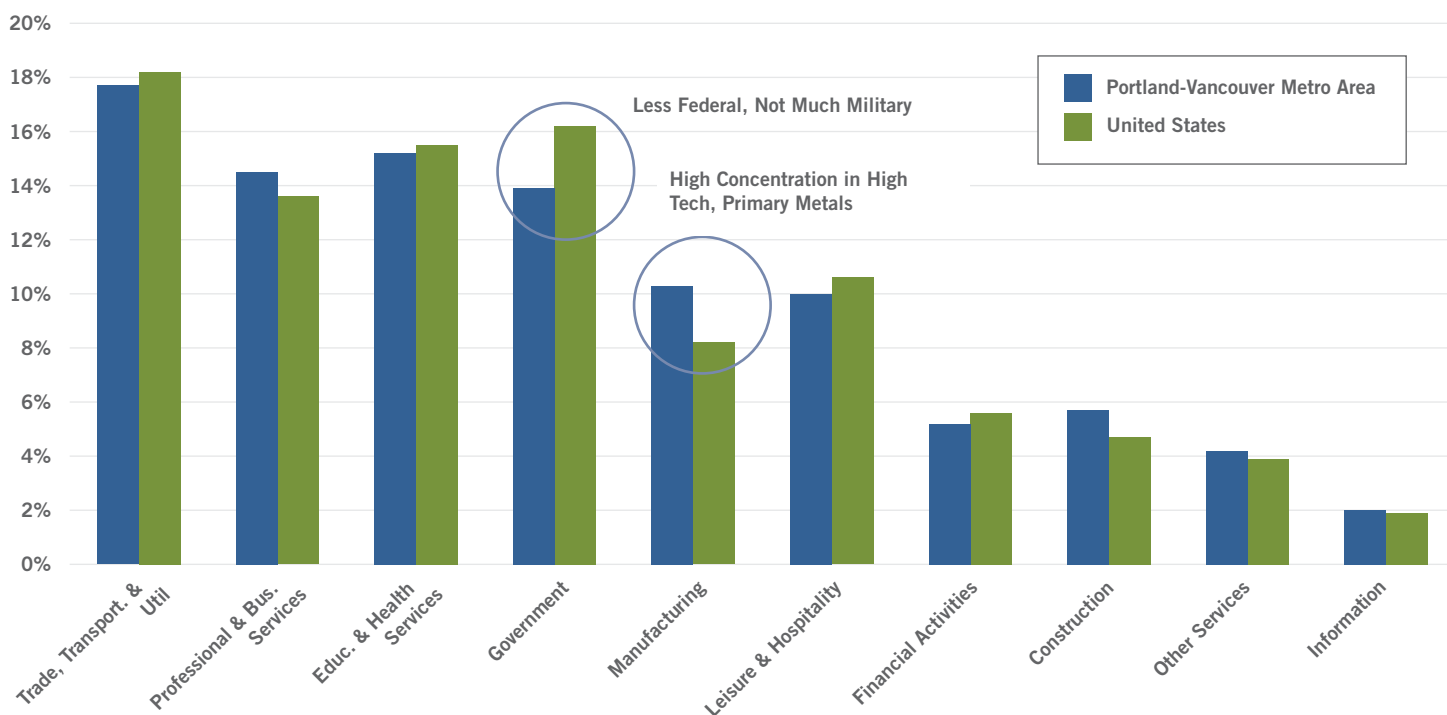
## EMPLOYMENT BY BROAD INDUSTRY PORTLAND-VANCOUVER METRO AREA: 2017

Source: Emsi



## SHARE OF EMPLOYMENT BY INDUSTRY PORTLAND-VANCOUVER METRO AREA TO U.S.: 2017

Source: Emsi



## PORTLAND-VANCOUVER METRO AREA'S COVERED EMPLOYMENT, PAYROLL, AND AVERAGE PAY: 2017

Source: Emsi

	Employment	Payroll (000s)	Establishments	Average Annual Wage
<b>Total Covered Employment</b>	<b>1,250,810</b>	<b>70,090,259</b>	<b>91,503</b>	<b>\$56,036</b>
Private	1,076,835	\$60,626,928	89,229	\$56,301
Natural Resources and Mining	16,557	\$634,157	1,215	\$38,302
Construction	70,748	\$4,493,354	8,192	\$63,512
Manufacturing	129,099	\$10,161,052	3,837	\$78,707
Trade, Transportation, and Utilities	221,550	\$10,458,781	15,996	\$47,207
Information	25,134	\$2,127,744	2,351	\$84,656
Financial Activities	65,469	\$4,920,180	7,880	\$75,152
Professional and Business Services	180,756	\$13,939,979	16,776	\$77,120
Educational and Health Services	189,773	\$9,162,640	12,875	\$48,282
Leisure and Hospitality	125,417	\$2,902,394	7,810	\$23,142
Other Services	52,331	\$1,826,647	12,297	\$34,906
Government	173,660	9,445,192	1,756	\$54,389
Federal	25,294	\$1,730,627	271	\$68,420
State	21,172	\$860,650	276	\$40,650
Local	127,194	\$6,853,916	1,209	\$53,886

\* 'Covered Employment': Employment and wages covered under Unemployment Insurance programs

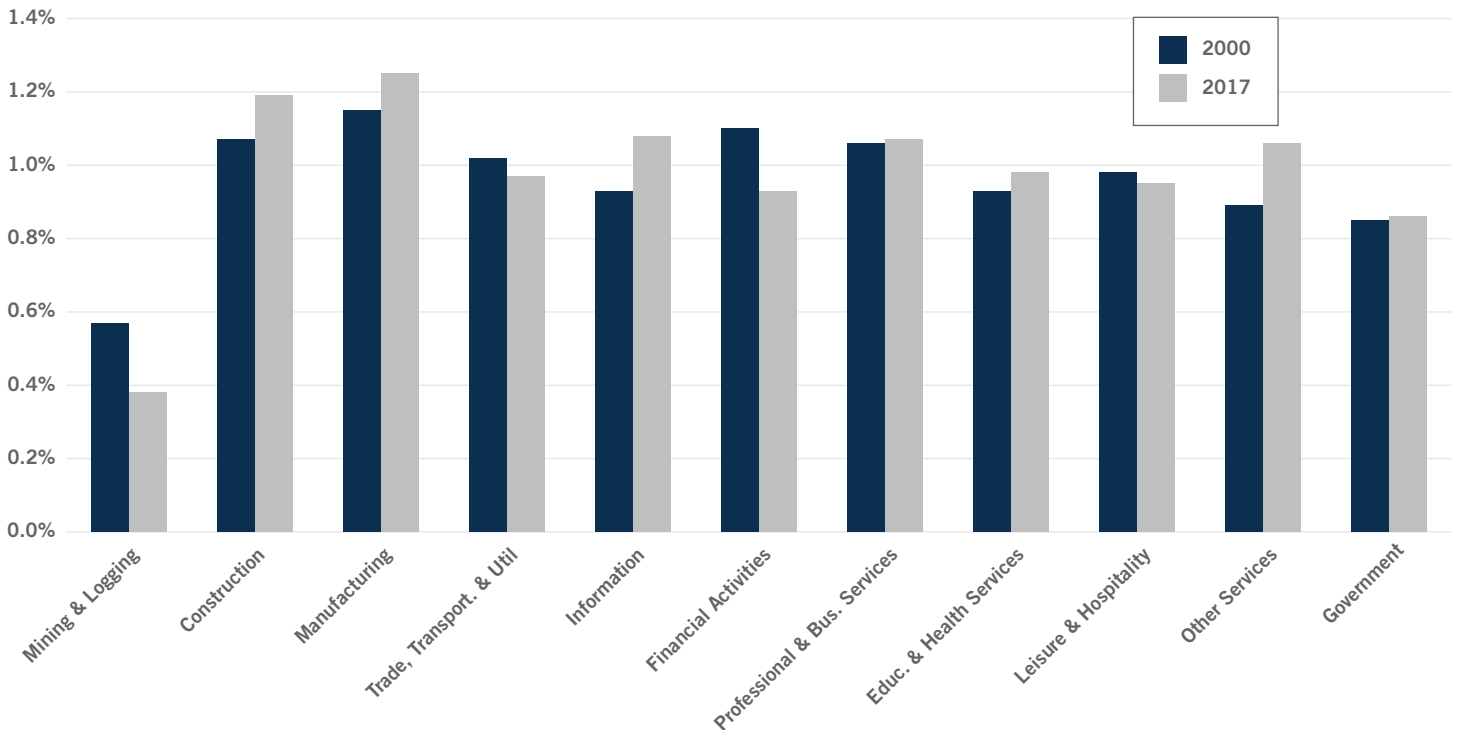
## LOCATION QUOTIENTS, PORTLAND-VANCOUVER METRO AREA

Source: OR Employment Department, WA State Office of Employment Security, Bureau of Labor Statistics

	Location Quotient		2000 Share of Employment		2015 Share of Employment	
	2000	2017	Portland-Vancouver Metro Area	United States	Portland-Vancouver Metro Area	United States
<b>Total nonfarm</b>	1.00	1.00	-	-	-	-
<b>Mining &amp; Logging</b>	0.57	0.38	0.3%	0.5%	0.2%	0.6%
<b>Construction</b>	1.07	1.19	5.5%	5.1%	5.1%	4.5%
<b>Manufacturing</b>	1.15	1.25	15.0%	13.1%	11.2%	8.7%
<b>Trade, Transport. &amp; Util.</b>	1.02	0.97	20.3%	19.9%	18.6%	18.9%
<b>Information</b>	0.93	1.08	2.5%	2.7%	2.1%	2.0%
<b>Financial Activities</b>	1.10	0.93	6.5%	5.9%	5.8%	5.7%
<b>Prof. &amp; Bus. Svcs.</b>	1.06	1.07	13.4%	12.6%	15.1%	13.9%
<b>Educ. &amp; Health Svcs.</b>	0.93	0.98	10.7%	11.5%	14.6%	15.5%
<b>Leisure &amp; Hospitality</b>	0.98	0.95	8.8%	9.0%	10.1%	10.7%
<b>Other Svcs.</b>	0.89	1.06	3.5%	3.9%	3.5%	4.0%
<b>Government</b>	0.85	0.86	13.4%	15.7%	13.6%	15.5%

## LOCATION QUOTIENTS PORTLAND-VANCOUVER METRO AREA: 2000 AND 2017

Source: Emsi



## PORTLAND-VANCOUVER METRO AREA FORECASTED EMPLOYMENT GROWTH MAJOR INDUSTRY: 2017-2027

Source: Emsi

	Employment		Change	
	2017	2027	#	%
<b>Total employment</b>	<b>1,250,810</b>	<b>1,427,139</b>	<b>176,329</b>	<b>14.1%</b>
<b>Total private</b>	<b>1,076,835</b>	<b>1,226,700</b>	<b>149,865</b>	<b>13.9%</b>
Natural Resources and Mining	16,557	16,263	(293)	-1.8%
Construction	70,748	85,397	14,649	20.7%
Manufacturing	129,099	128,936	(163)	-0.1%
Durable Goods	93,262	92,340	(922)	-1.0%
Nondurable Goods	35,837	36,596	759	2.1%
Trade, Transportation, and Utilities	221,550	240,140	18,591	8.4%
Wholesale Trade	57,062	60,771	3,709	6.5%
Retail Trade	123,437	135,355	11,918	9.7%
Transportation, Warehousing, and Utilities	41,050	44,014	2,964	7.2%
Information	25,134	27,015	1,881	7.5%
Financial Activities	65,469	73,444	7,974	12.2%
Professional and Business Services	180,756	214,783	34,026	18.8%
Professional and Technical Services	75,100	93,107	18,007	24.0%
Management of Companies and Enterprises	39,680	49,422	9,742	24.6%
Administrative and Waste Services	65,976	72,254	6,278	9.5%
Educational and Health Services (private)	189,773	235,327	45,553	24.0%
Educational Services	31,047	31,674	627	2.0%
Health Care and Social Assistance	158,726	203,653	44,927	28.3%
Leisure and Hospitality	125,417	143,983	18,565	14.8%
Arts, Entertainment, and Recreation	18,041	20,749	2,708	15.0%
Accommodation and Food Services	107,377	123,234	15,857	14.8%
Other Services	52,331	61,412	9,081	17.4%
Government	173,660	200,439	26,779	15.4%
Federal Government	25,294	24,077	(1,217)	-4.8%
State Government	21,172	26,402	5,230	24.7%
Local Government	127,194	149,960	22,766	17.9%



## JOBS, PROJECTED OPENINGS, AND GRADUATE DATA BY TARGETED INDUSTRY

Source: Emsi

Description	2017 Jobs	2027 Jobs	Projected Annual Growth Openings*	Median Annual Earnings	Regional Completions (2017)
<b>Advanced Manufacturing</b>					
Packaging and Filling Machine Operators and Tenders	1,152	1,397	25	\$29,546	na
Industrial Engineers	2,369	2,607	24	\$102,250	62
Food Batchmakers	1,317	1,551	23	\$26,871	9
Machinists	2,108	2,321	21	\$47,996	191
Electronics Engineers, Except Computer	1,559	1,714	16	\$88,163	205
Industrial Machinery Mechanics	1,032	1,174	14	\$56,469	2
Laborers and Freight, Stock, and Material Movers, Hand	1,463	1,581	12	\$29,336	na
First-Line Supervisors of Production and Operating Workers	2,417	2,534	12	\$58,587	13
Semiconductor Processors	3,193	3,305	11	\$37,583	na
Electrical Engineers	1,268	1,371	10	\$93,706	205
<b>Healthcare</b>					
Registered Nurses	18,884	21,900	302	\$90,300	1,615
Personal Care Aides	5,937	8,043	211	\$25,445	na
Medical Assistants	5,878	7,778	190	\$38,932	1,701
Nursing Assistants	7,482	9,036	155	\$31,277	103
Medical Secretaries	6,115	7,557	144	\$40,207	68
Home Health Aides	2,174	3,304	113	\$24,258	68
Receptionists and Information Clerks	3,552	4,608	106	\$31,070	52
Dental Assistants	3,469	4,278	81	\$44,163	427
Licensed Practical and Licensed Vocational Nurses	1,482	2,086	60	\$49,392	323
Substance Abuse, Behavioral Disorder, and Mental Health Counselors	2,021	2,593	57	\$53,007	145
<b>Technology</b>					
Software Developers, Applications	13,157	16,461	330	\$105,364	513
Computer User Support Specialists	7,210	8,451	124	\$50,975	482
Computer Systems Analysts	4,607	5,472	87	\$91,359	119
Computer and Information Systems Managers	4,546	5,278	73	\$131,459	376
Computer Occupations, All Other	4,514	5,076	56	\$83,546	303
Software Developers, Systems Software	2,311	2,827	52	\$107,339	468
Network and Computer Systems Administrators	2,649	3,091	44	\$78,966	142
Information Security Analysts	818	1,111	29	\$100,463	690
Web Developers	1,828	2,111	28	\$65,253	690
Computer Network Support Specialists	1,317	1,586	27	\$58,143	482

continued on next page

## JOBS, PROJECTED OPENINGS, AND GRADUATE DATA BY TARGETED INDUSTRY (CONTINUED)

Description	2017 Jobs	2027 Jobs	Projected Annual Growth Openings*	Median Annual Earnings	Regional Completions (2017)
<b>Construction</b>					
Carpenters	9,136	10,986	185	\$50,043	51
Construction Laborers	6,589	8,183	159	\$38,808	na
Plumbers, Pipefitters, and Steamfitters	3,863	4,866	100	\$74,953	51
First-Line Supervisors of Construction Trades and Extraction Workers	3,667	4,603	94	\$73,306	133
Electricians	5,233	6,130	90	\$72,258	51
Construction Managers	3,233	3,896	66	\$97,966	1,777
Roofers	2,219	2,819	60	\$43,083	51
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,341	1,857	52	\$44,011	172
Painters, Construction and Maintenance	2,666	3,162	50	\$35,272	51
General and Operations Managers	1,785	2,173	39	\$93,967	1,881

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

# TOP OCCUPATIONS AND WAGE SPECTRUMS IN THE PORTLAND-VANCOUVER BASED ON 2017 EMPLOYMENT

Source: Emsi

Occupation	2017 Employment							
	#	%	Pct. 10 Hourly Earnings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Pct. 90 Hourly Earnings	2017 Location Quotient
Retail Salespersons	36,242	2.9%	\$9.95	\$10.93	\$11.99	\$14.86	\$19.15	1.00
Cashiers	25,549	2.0%	\$9.98	\$10.76	\$11.60	\$13.09	\$16.69	0.86
Office Clerks, General	25,007	2.0%	\$11.32	\$13.54	\$17.11	\$21.23	\$25.64	0.89
Combined Food Preparation and Serving Workers, Including Fast Food	24,329	1.9%	\$10.15	\$10.87	\$11.60	\$12.54	\$14.35	0.81
Registered Nurses	23,363	1.9%	\$30.63	\$36.46	\$43.41	\$49.90	\$57.88	0.96
General and Operations Managers	21,487	1.7%	\$22.13	\$30.46	\$45.18	\$70.63	\$103.48	1.14
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,875	1.7%	\$12.88	\$15.66	\$19.02	\$23.29	\$27.19	0.94
Waiters and Waitresses	19,792	1.6%	\$10.10	\$10.71	\$11.60	\$13.11	\$22.49	0.92
Customer Service Representatives	18,496	1.5%	\$11.86	\$13.85	\$17.32	\$21.73	\$26.40	0.80
Laborers and Freight, Stock, and Material Movers, Hand	18,431	1.5%	\$10.80	\$11.83	\$14.10	\$17.89	\$23.23	0.81
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	17,521	1.4%	\$10.30	\$11.32	\$13.40	\$16.52	\$19.73	0.87
Personal Care Aides	15,391	1.2%	\$10.42	\$11.08	\$12.23	\$13.70	\$15.06	0.87
Bookkeeping, Accounting, and Auditing Clerks	15,204	1.2%	\$13.08	\$16.07	\$19.62	\$23.69	\$28.27	1.11
Stock Clerks and Order Fillers	14,971	1.2%	\$10.63	\$11.64	\$14.14	\$17.94	\$22.00	0.87
Heavy and Tractor-Trailer Truck Drivers	14,508	1.2%	\$16.27	\$18.91	\$22.12	\$25.42	\$31.34	0.98
Cooks, Restaurant	14,227	1.1%	\$10.19	\$11.37	\$13.05	\$14.96	\$17.32	1.32
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	13,606	1.1%	\$15.85	\$21.02	\$28.76	\$41.05	\$57.45	1.16
Software Developers, Applications	13,157	1.1%	\$30.76	\$40.42	\$50.66	\$61.55	\$74.04	1.84
Business Operations Specialists, All Other	13,063	1.0%	\$18.99	\$24.86	\$33.25	\$44.05	\$57.97	1.53
Postsecondary Teachers	12,193	1.0%	\$21.59	\$28.85	\$39.51	\$57.40	\$77.78	0.99
Teacher Assistants	11,700	0.9%	\$11.42	\$13.21	\$15.61	\$18.10	\$20.32	1.04
Maintenance and Repair Workers, General	11,080	0.9%	\$12.56	\$15.12	\$18.98	\$24.89	\$30.80	0.88
Carpenters	10,423	0.8%	\$15.31	\$18.27	\$24.06	\$31.51	\$38.74	1.74
Accountants and Auditors	9,982	0.8%	\$20.73	\$25.07	\$30.85	\$39.63	\$50.21	0.93
Elementary School Teachers, Except Special Education	9,390	0.8%	\$18.62	\$24.63	\$32.00	\$39.62	\$48.18	0.81
First-Line Supervisors of Retail Sales Workers	9,293	0.7%	\$12.37	\$14.53	\$18.14	\$23.43	\$30.37	0.94

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## TOP OCCUPATIONS AND WAGE SPECTRUMS IN THE PORTLAND-VANCOUVER BASED ON 2017 EMPLOYMENT (CONTINUED)

Occupation	2017 Employment							
	#	%	Pct. 10 Hourly Earnings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Pct. 90 Hourly Earnings	2017 Location Quotient
First-Line Supervisors of Office and Administrative Support Workers	9,124	0.7%	\$17.44	\$22.20	\$28.20	\$34.70	\$41.68	0.73
Food Preparation Workers	9,027	0.7%	\$9.96	\$10.78	\$11.80	\$13.49	\$15.31	1.28
Receptionists and Information Clerks	9,021	0.7%	\$11.21	\$12.58	\$14.94	\$18.04	\$21.30	1.01
Nursing Assistants	8,874	0.7%	\$11.65	\$13.11	\$15.04	\$17.89	\$20.69	0.72
Maids and Housekeeping Cleaners	8,269	0.7%	\$10.00	\$10.89	\$11.92	\$14.12	\$17.07	0.97
Assemblers and Fabricators, All Other, Including Team Assemblers	8,189	0.7%	\$11.34	\$13.06	\$16.08	\$20.25	\$26.11	0.75
Childcare Workers	8,081	0.6%	\$10.05	\$10.89	\$12.02	\$14.42	\$17.52	1.32
First-Line Supervisors of Food Preparation and Serving Workers	8,068	0.6%	\$10.60	\$11.96	\$14.36	\$18.78	\$24.19	1.04
Sales Representatives, Services, All Other	8,019	0.6%	\$13.33	\$16.49	\$24.35	\$35.59	\$52.22	0.89
Construction Laborers	7,762	0.6%	\$12.71	\$15.00	\$18.66	\$25.25	\$31.20	0.95
Personal Care and Service Workers, All Other	7,553	0.6%	\$10.78	\$12.29	\$14.27	\$16.58	\$18.24	12.91
Landscaping and Groundskeeping Workers	7,474	0.6%	\$11.38	\$12.95	\$15.84	\$19.17	\$23.65	0.95
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	7,396	0.6%	\$10.13	\$11.32	\$12.91	\$14.84	\$17.30	1.15
Computer User Support Specialists	7,210	0.6%	\$16.04	\$19.53	\$24.51	\$30.97	\$38.47	1.25
Security Guards	7,109	0.6%	\$10.21	\$11.14	\$12.66	\$15.86	\$21.04	0.73
Medical Secretaries	6,889	0.6%	\$13.80	\$16.32	\$19.33	\$23.62	\$27.63	1.39
Preschool Teachers, Except Special Education	6,467	0.5%	\$11.10	\$12.22	\$14.14	\$16.55	\$19.01	1.58
Medical Assistants	6,388	0.5%	\$13.51	\$16.08	\$18.72	\$21.83	\$24.34	1.14
Managers, All Other	6,327	0.5%	\$24.13	\$32.78	\$45.13	\$58.86	\$74.54	1.58
Electricians	6,298	0.5%	\$18.17	\$26.17	\$34.74	\$42.59	\$48.65	1.14
Secondary School Teachers, Except Special and Career/ Technical Education	6,282	0.5%	\$21.57	\$26.77	\$34.53	\$42.68	\$49.81	0.73
Bartenders	6,184	0.5%	\$9.84	\$10.15	\$11.32	\$13.36	\$19.81	1.21
Light Truck or Delivery Services Drivers	6,139	0.5%	\$11.18	\$12.99	\$16.44	\$21.47	\$29.26	0.82
Financial Managers	5,745	0.5%	\$30.52	\$39.63	\$54.71	\$71.66	\$97.14	1.17
<b>ALL OCCUPATIONS</b>	<b>1,250,810</b>	-	-	-	-	-	-	-

*Excludes Wahkiakum*

## TOP OCCUPATIONS IN THE PORTLAND-VANCOUVER METRO AREA BASED ON EMPLOYMENT TIMES WAGES: 2017

*Source: Emsi*

Occupation	Employment	Pct. 10 Hourly Earnings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Pct. 90 Hourly Earnings	Average Annual Wage
Registered Nurses	23,363	\$30.63	\$36.46	\$43.41	\$49.90	\$57.88	\$90,300
General and Operations Managers	21,487	\$22.13	\$30.46	\$45.18	\$70.63	\$103.48	\$93,967
Software Developers, Applications	13,157	\$30.76	\$40.42	\$50.66	\$61.55	\$74.04	\$105,364
Postsecondary Teachers	12,193	\$21.59	\$28.85	\$39.51	\$57.40	\$77.78	\$82,175
Retail Salespersons	36,242	\$9.95	\$10.93	\$11.99	\$14.86	\$19.15	\$24,948
Business Operations Specialists, All Other	13,063	\$18.99	\$24.86	\$33.25	\$44.05	\$57.97	\$69,170
Office Clerks, General	25,007	\$11.32	\$13.54	\$17.11	\$21.23	\$25.64	\$35,592
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,875	\$12.88	\$15.66	\$19.02	\$23.29	\$27.19	\$39,560
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	13,606	\$15.85	\$21.02	\$28.76	\$41.05	\$57.45	\$59,818
Heavy and Tractor-Trailer Truck Drivers	14,508	\$16.27	\$18.91	\$22.12	\$25.42	\$31.34	\$46,010
Customer Service Representatives	18,496	\$11.86	\$13.85	\$17.32	\$21.73	\$26.40	\$36,025
Financial Managers	5,745	\$30.52	\$39.63	\$54.71	\$71.66	\$97.14	\$113,804
Accountants and Auditors	9,982	\$20.73	\$25.07	\$30.85	\$39.63	\$50.21	\$64,166
Elementary School Teachers, Except Special Education	9,390	\$18.62	\$24.63	\$32.00	\$39.62	\$48.18	\$66,554
Bookkeeping, Accounting, and Auditing Clerks	15,204	\$13.08	\$16.07	\$19.62	\$23.69	\$28.27	\$40,802
Cashiers	25,549	\$9.98	\$10.76	\$11.60	\$13.09	\$16.69	\$24,134
Physicians and Surgeons, All Other	3,323	\$25.78	\$36.59	\$88.80	\$99.70	\$131.87	\$184,700
Computer and Information Systems Managers	4,546	\$38.59	\$49.57	\$63.20	\$78.69	\$98.21	\$131,459
Managers, All Other	6,327	\$24.13	\$32.78	\$45.13	\$58.86	\$74.54	\$93,880
Combined Food Preparation and Serving Workers, Including Fast Food	24,329	\$10.15	\$10.87	\$11.60	\$12.54	\$14.35	\$24,135

## PORTLAND METRO AREA UNION MEMBERSHIP: 2000 AND 2017

Source: unionstats.com

2017						
Sector	Observations	Employment	Members*	Covered**	% Members	% Covered
Total	1,431	1,098,609	147,676	156,001	13.4	14.2
Private	1,275	983,184	84,448	89,996	8.6	9.2
Public	156	115,425	63,228	66,005	54.8	57.2

2000						
Sector	Observations	Employment	Members*	Covered**	% Members	% Covered
Total	1,125	918,389	137,865	147,303	15	16
Private	977	801,418	72,307	78,525	9	9.8
Public	148	116,972	65,558	68,778	56	58.8

Compiled from the Current Population Survey (CPS)

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

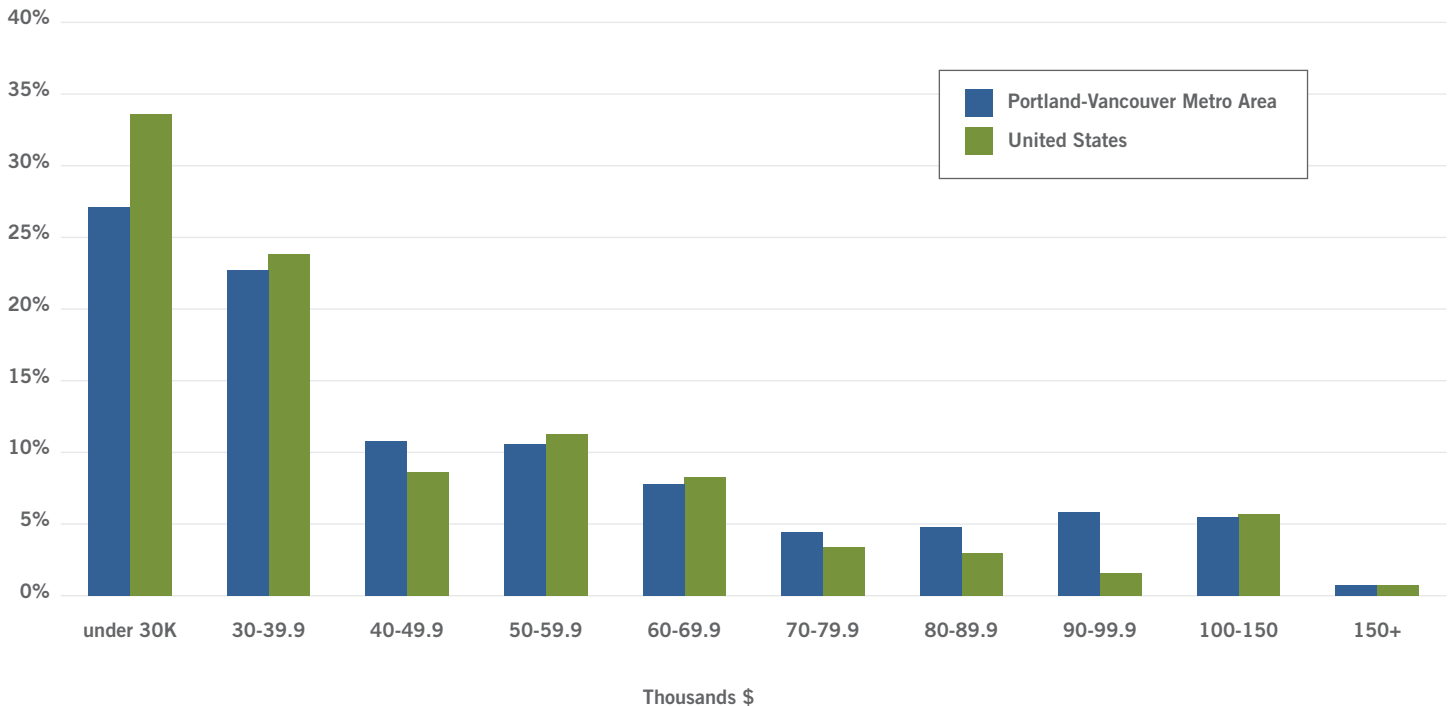
\* Workers are counted as members if they respond 'yes' when asked if they are a member of a labor union or an employee organization similar to a union

\*\* 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

## DISTRIBUTION OF JOBS BY AVERAGE ANNUAL WAGE PORTLAND-VANCOUVER METRO AREA AND U.S.: 2017

Source: Bureau of Labor Statistics



## JOB VACANCY REPORT: OCCUPATIONS WITH HIGHEST NUMBER OF VACANCIES, PORTLAND TRI-COUNTY: 2017

*Source: Oregon Employment Department*

Occupation	Vacancies	% of Vacancies	Difficult-to-Fill	Typical Entry Level Education
<b>Total Vacancies</b>	<b>23,642</b>	<b>-</b>	<b>59%</b>	<b>-</b>
Retail Salespersons	1,080	4.6%	32%	Less than high school
Carpenters	949	4.0%	91%	High school diploma or equivalent
Painters, Construction and Maintenance	535	2.3%	83%	Less than high school
Personal Care Aides	515	2.2%	45%	Less than high school
Light Truck or Delivery Services Drivers	478	2.0%	56%	High school diploma or equivalent
Customer Service Representatives	464	2.0%	16%	High school diploma or equivalent
Production Workers, All Other	452	1.9%	52%	High school diploma or equivalent
Stock Clerks and Order Fillers	420	1.8%	-	Less than high school
Construction Laborers	388	1.6%	98%	Less than high school
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	372	1.6%	81%	Less than high school
Business Operations Specialists, All Other	363	1.5%	-	Bachelor's degree
Nursing Assistants	334	1.4%	72%	Postsecondary training (non-degree)
Hairdressers, Hairstylists, and Cosmetologists	332	1.4%	34%	Postsecondary training (non-degree)
Surveyors	314	1.3%	73%	Bachelor's degree
Heavy and Tractor-Trailer Truck Drivers	311	1.3%	87%	Postsecondary training (non-degree)
Cooks, Restaurant	301	1.3%	87%	Less than high school
Landscaping and Groundskeeping Workers	295	1.2%	100%	Less than high school
Secondary School Teachers, Except Special and Career/Technical Education	287	1.2%	-	Bachelor's degree
Maintenance and Repair Workers, General	264	1.1%	88%	High school diploma or equivalent
Automotive Service Technicians and Mechanics	260	1.1%	-	Postsecondary training (non-degree)

*Portland Tri-County: Clackamas, Multnomah, Washington counties*

## JOB VACANCY REPORT: VACANCIES BY INDUSTRY PORTLAND TRI-COUNTY: 2017

*Source: Oregon Employment Department*

Industry	Vacancies	Share of Vacancies	Average Hourly Wage (statewide)
<b>All Industries</b>	<b>23,642</b>	<b>-</b>	<b>\$17.82</b>
Management, Administrative, and Waste Services	3,281	14%	\$15.96
Construction	3,000	13%	\$21.77
Health Care and Social Assistance	2,835	12%	\$18.74
Retail Trade	2,493	11%	\$13.30
Professional, Scientific, and Technical Services	1,895	8%	\$26.53
Leisure and Hospitality	1,802	8%	\$11.94
Manufacturing	1,654	7%	\$19.84
Financial Activities	1,622	7%	\$19.64
Wholesale Trade	1,594	7%	\$17.27
Other Services	1,311	6%	\$17.54
Private Educational Services	980	4%	\$25.70
Transportation, Warehousing, and Utilities	626	3%	\$18.27
Natural Resources and Mining	411	2%	\$15.08
Information	138	1%	\$23.94

*Portland Tri-County: Clackamas, Multnomah, Washington counties*

## JOB VACANCY REPORT: VACANCIES BY REQUIRED EDUCATION LEVEL PORTLAND TRI-COUNTY: 2017

*Source: Oregon Employment Department*

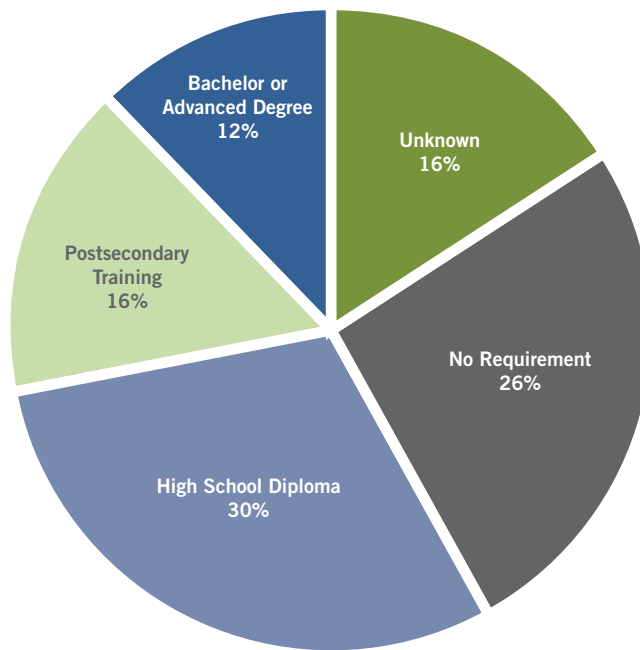
Required Education Level	Vacancies	Average Hourly Wage	Full-time Positions	Permanent Positions	Requiring Previous Experience	Difficult to Fill
<b>All Education Levels</b>	<b>23,642</b>	<b>\$20.36</b>	<b>81%</b>	<b>94%</b>	<b>62%</b>	<b>59%</b>
No Requirement	6,123	\$15.88	74%	91%	54%	73%
High School Diploma	7,045	\$15.51	82%	91%	74%	69%
Postsecondary Training	3,806	\$23.76	74%	96%	87%	73%
Bachelor or Advanced Degree	2,925	\$35.72	91%	97%	96%	62%
Unknown	3,743	-	-	-	-	-

*Portland Tri-County: Clackamas, Multnomah, Washington counties*



## PORTLAND TRI-COUNTY JOB VACANCIES BY EDUCATIONAL REQUIREMENT: 2017

Source: Oregon Employment Department 2017 Job Vacancy Survey



## JOB VACANCY REPORT: VACANCIES BY HOURLY WAGE PORTLAND TRI-COUNTY: 2017

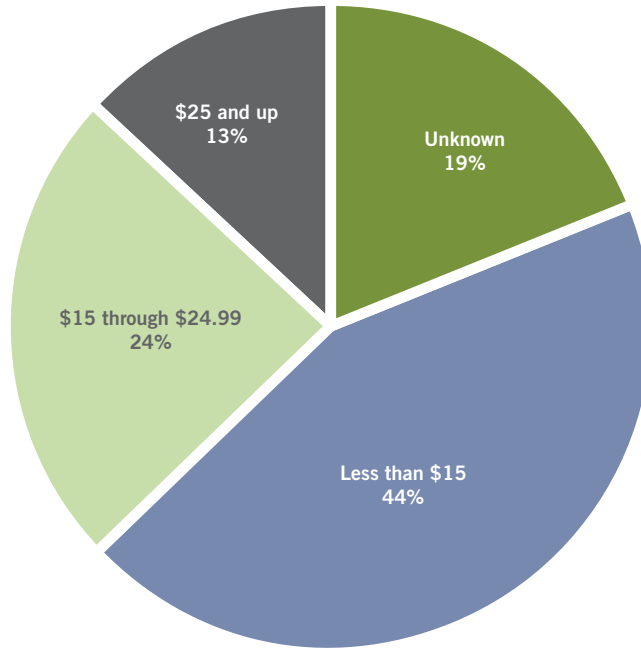
Source: Oregon Employment Department

Wage (per hour)	Vacancies	Average Hourly Wage	Full-time Positions	Permanent Positions	"Requiring Education Beyond	Requiring Previous Experience	Difficult to Fill
<b>All Wage Ranges</b>	<b>22,642</b>	<b>\$20.36</b>	<b>81%</b>	<b>94%</b>	<b>35%</b>	<b>62%</b>	<b>59%</b>
Less than \$15	9,994	\$12.22	67%	91%	7%	49%	71%
\$15 through \$24.99	5,445	\$18.70	90%	93%	32%	90%	67%
\$25 and up	2,975	\$36.39	86%	96%	83%	94%	77%
Unknown	4,228		88%	97%	46%	13%	11%

Portland Tri-County: Clackamas, Multnomah, Washington counties

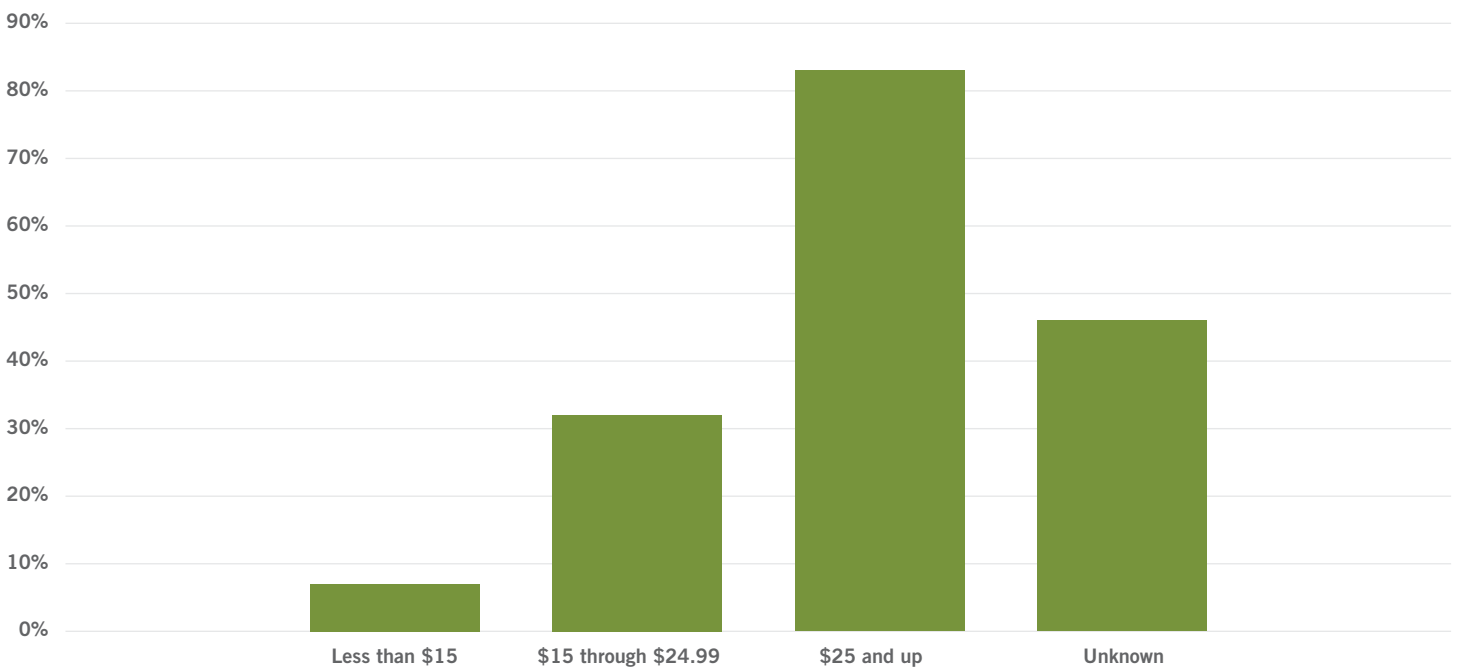
## PORTLAND TRI-COUNTY JOB VACANCIES BY HOURLY WAGE: 2017

Source: Oregon Employment Department 2017 Job Vacancy Survey



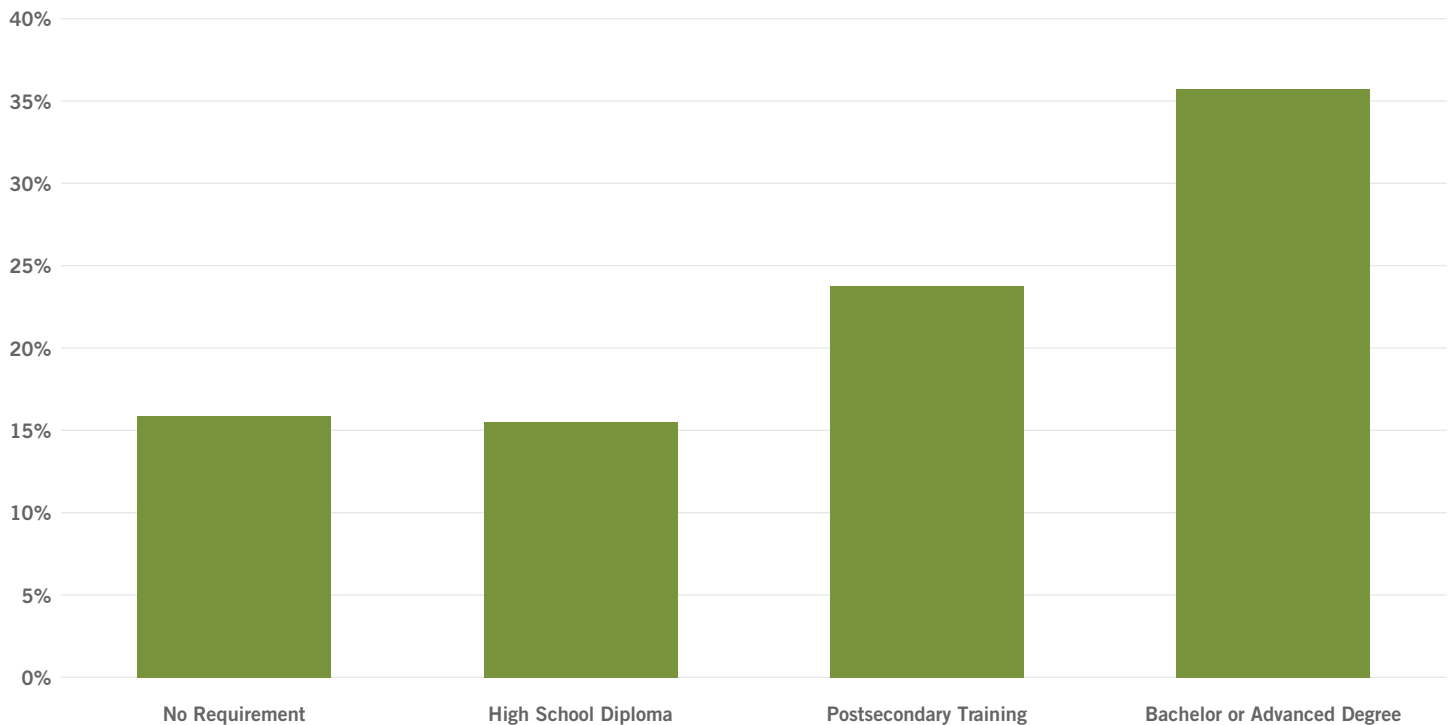
## SHARE OF PORTLAND TRI-COUNTY JOB VACANCIES REQUIRING EDUCATION BEYOND HIGH SCHOOL BY HOURLY WAGE RANGE: 2017

Source: Oregon Employment Department 2017 Job Vacancy Survey



## AVERAGE HOURLY WAGE FOR PORTLAND TRI-COUNTY JOB VACANCIES BY EDUCATIONAL REQUIREMENT: 2017

*Source: Oregon Employment Department 2017 Job Vacancy Survey*



## JOB VACANCY REPORT: REASONS FOR DIFFICULT-TO-FILL POSITIONS (EMPLOYER PERSPECTIVE) PORTLAND TRI-COUNTY, 2017

*Source: Oregon Employment Department*

	Reason Provided by Employer	Difficult-to-Fill Vacancies	Share of Vacancies w/ Reasons Provided
<b>Difficult to control...</b>	Lack of applicants	4,094	31%
	Unfavorable working conditions	1,411	11%
	Other	729	5%
	Low wages	287	2%
	Location	26	0%
<b>Can we do something?</b>	Lack of qualified candidates	2,699	20%
	Lack of work experience	1,590	12%
	Lack of technical skills	623	5%
	Lack of soft skills	1,644	12%
	Lack of certification	203	2%
	Lack of training	44	0%
	<b>Total w/ Reasons Provided</b>	<b>13,350</b>	<b>100%</b>

*Portland Tri-County: Clackamas, Multnomah, Washington counties*

## THE COLUMBIA-WILLAMETTE WORKFORCE COLLABORATIVE



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