

## Area Workforce Profile

<b>Population Summary</b>			
	<b>Forest Grove</b>	<b>Washington County</b>	<b>Portland Metro PMSA</b>
July 1, 2015	23,080	570,510	2,389,228
% population growth 2010-15	9.2%	7.4%	7.3%
% population growth 90- 10	55%	70%	47%
<b>Forest Grove</b>	<b>3 mile radius</b>	<b>5 mile radius</b>	<b>10 mile radius</b>
2013 est. Population	32,216	49,398	174,317
<b>Labor Force</b>			
	<b>Forest Grove</b>	<b>Washington County</b>	<b>Portland Metro PMSA</b>
2015 Annual	10,100	299,4582	1,224,063
Total Employed	8,405	285,171	1,159,461
Total Unemployed	745	14,287	64,602
Unemployment Rate (annual 2015)	5.1%	4.8%	5.3%
Unemployment Rate (annual 2014)	5.9%	5.6%	6.2%
Labor Participation Rate Estimates	61.80%	70.1%	66.2%
<b>Forest Grove Labor Force</b>	<b>3 mile radius</b>	<b>5 mile radius</b>	<b>10 mile radius</b>
2013 Annual est.	24,286	37,591	124,266

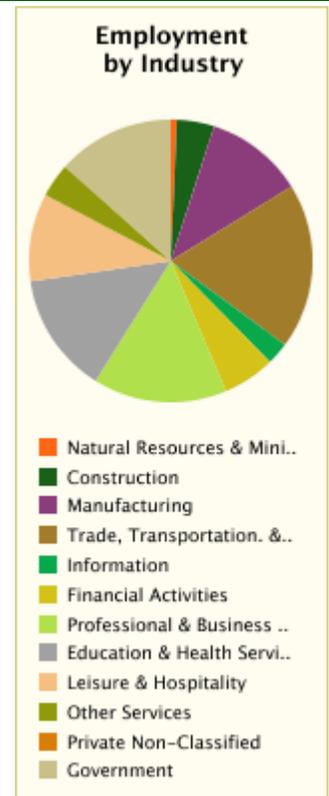
## A. Current Workforce

<b>Non Farm Payroll Employment (2012)</b>				
	<b>Washington County</b>		<b>Portland Metro Statistical Area</b>	
<b>Industry Jobs 2012</b>	<b># of Jobs</b>	<b>% Share</b>	<b># of Jobs</b>	<b>% Share</b>
Natural Resources & Mining	3,134	0.81%	12,177	1.40%
Construction	12,459	3.23%	39,519	4.53%
Manufacturing	44,180	11.45%	101,608	11.66%
Computer and electronic product manufacturing	26,951	6.99%	32,366	3.71%
Trade, Transportation, & Utilities	49,812	12.91%	167,957	19.27%
Wholesale	17,470	4.53%	49,688	5.70%
Retail	28,604	7.42%	88,913	10.20%
Information	7,712	2.00%	20,057	2.30%
Financial Activities	13,942	3.61%	49,777	5.71%
Real Estate Rental & Leasing	2,998	0.78%	13,660	1.57%
Professional & Business Services	38,558	10.00%	123,640	14.18%
Professional, Scientific & Technical Svcs	12,425	3.22%	51,299	5.88%
Management of Companies	4,757	1.23%	22,212	2.55%
Admin. & Support, Waste Mgmt & Remediation Svcs	21,377	5.54%	50,128	5.75%
Administrative and support services	20,813	5.40%	47,943	5.50%
Waste management and remediation services	563	0.15%	2,186	0.25%
Education & Health Services	29,627	7.68%	120,891	13.87%
Leisure & Hospitality	20,612	5.34%	86,884	9.97%
Other Services	7,989	2.07%	34,347	3.94%
Government	21,756	5.64%	114,915	13.18%

Sources: Oregon Employment Department-Workforce & Economic Research, Bureau of Labor Statistics (2012)

**Employment and Wages by Industry – Wash. & Mult. Counties**  
**2014 Covered Employment And Wages**

	<b>Firms</b>	<b>Empl.</b>	<b>Payroll</b>
TOTAL	47,701	730,651	\$40,703,519,483
Natural Resources & Mining	282	4893	\$159,782,962
Construction	3,205	33,435	\$2,114,985,092
Manufacturing	2,009	79,153	\$6,581,008,428
Trade, Transportation. & Utilities	9,100	132,178	\$5,806,032,967
Information	1,172	18,108	\$1,436,648,970
Financial Activities	4,394	42,247	\$2,899,399,990
Professional & Business Services	9,738	124,146	\$9,006,824,909
Education & Health Services	5,536	99,150	\$4,752,415,374
Leisure & Hospitality	4,587	75,315	\$1,595,967,935
Other Services	6,642	28,301	\$1,012,168,838
Private Non-Classified	57	33	\$1,394,156
Government	768	70,060	\$3,903,200,333



Source: Oregon Employment Department

## Portland Tri-County Area Forecasted Employment Growth

Major Industry, 2012-2022	Employment		Change	
	2012	2022	#	%
Total payroll employment	695,300	809,800	114,500	16%
Total private	606,300	712,100	105,800	17%
<b>Natural resources and mining</b>	5,100	5,800	700	14%
<b>Construction</b>	29,800	38,500	8,700	29%
<b>Manufacturing</b>	77,900	84,700	6,800	9%
Durable goods	60,000	65,500	5,500	17.40%
Nondurable goods	17,900	19,200	1,300	7%
<b>Trade, transportation, and utilities</b>	125,800	140,800	15,000	12%
Wholesale trade	33,500	38,000	4,500	13%
Retail trade	67,600	75,500	7,900	12%
Transport., warehousing, utilities	24,700	27,300	2,600	11%
<b>Information</b>	17,400	19,500	2,100	12%
<b>Financial activities</b>	44,700	50,100	5,400	12%
<b>Professional and business svcs</b>	112,100	139,500	27,400	24%
Professional and technical svcs	43,700	54,800	11,100	25%
Mgmt of companies/enterprises	26,500	31,800	5,300	20%
Administrative, waste services	41,900	52,900	11,000	26%
<b>Educational and health services</b>	99,200	123,000	23,800	24%
Educational services	20,200	24,800	4,600	23%
Health care, social assistance	79,000	98,200	19,200	24%
<b>Leisure and hospitality</b>	69,500	81,500	12,000	17%
Arts, entertainment, recreation	9,400	10,800	1,400	15%
Accommodation, food services	60,100	70,700	10,600	18%
<b>Other services</b>	24,800	28,700	3,900	16%
<b>Government</b>	89,000	97,700	8,700	10%
Federal government	12,900	12,300	-600	-5%
State government	15,900	17,600	1,700	11%
Local government	60,200	67,800	7,600	13%

Source: Oregon Employment Department

## Jobs, Projected Openings by Target Industry

<b>Description</b>	<b>2012 Jobs</b>	<b>2016 Jobs</b>	<b>2013 Annual Openings</b>	<b>Median Yearly Earnings</b>
Computer Hardware Engineers	1,842	1,907	59	\$109,429
Electronics Engineers, Except Computer	2,061	2,150	73	\$103,147
Industrial Engineers	2,969	3,153	102	\$97,406
Mechanical Engineers	2,292	2,462	113	\$83,262
Electrical, Electronics Engineering Techs	2,508	2,612	77	\$59,530
Industrial Engineering Technicians	1,976	2,063	59	\$54,995
Shipping, Receiving, and Traffic Clerks	5,818	5,962	187	\$29,557
Computer-Controlled Machine Tool Operators	1,915	2,199	100	\$35,651
Machinists	2,456	2,835	125	\$44,512
Welders, Cutters, Solderers, and Brazers	2,487	2,714	109	\$38,168
<b>Health Care</b>				
Registered Nurses	16,759	18,262	926	\$82,514
Medical Secretaries	7,698	8,670	498	\$35,277
Nursing Assistants	6,855	7,612	330	\$27,123
Medical Assistants	4,691	5,280	295	\$34,819
Dental Assistants	3,165	3,413	170	\$39,416
Home Health Aides	3,150	4,066	311	\$22,776
Dental Hygienists	2,449	2,675	143	\$83,387
Medical Records, Health Info. Technicians	1,786	1,899	90	\$41,101
Licensed Practical, Licensed Vocational Nurses	1,686	1,991	131	\$50,232
Physical Therapists	1,385	1,552	82	\$80,746
<b>IT/Software</b>				
Software Developers, Applications	5,438	6,072	226	\$90,480
Computer User Support Specialists	4,824	5,216	235	\$49,026
Sales Representatives	4,057	4,408	190	\$81,432
Computer Systems Analysts	3,319	3,675	156	\$82,576
Software Developers, Systems Software	2,958	3,395	142	\$102,357
Computer Information Systems Managers	2,953	3,208	113	\$111,218
Network/Computer Systems Administrators	2,608	2,939	132	\$70,304
Computer Programmers	2,334	2,496	99	\$71,656
Web Developers	1,754	1,885	67	\$63,960
Computer Network Support Specialists	1,480	1,583	65	\$58,926

Source: QCEW Employees - EMSI 2013.3 Class of Worker

## B. Workforce Projections

### Top Growth Industries in Multnomah and Washington Counties Industry Employment Forecast, 2012-2022

Industry	2012	2022	change	%
Computer systems design and related services	7,200	10,300	3,100	43%
Services to buildings and dwellings	8,300	11,200	2,900	35%
Specialty trade contractors	20,000	26,200	6,200	31%
Business support services	7,200	9,400	2,200	31%
Ambulatory health care services	30,400	38,800	8,400	28%
Construction of buildings	7,500	9,600	2,100	28%
Nursing and residential care facilities	14,900	18,600	3,700	25%
Social assistance	14,100	17,500	3,400	24%
Publishing industries, except Internet	7,200	8,700	1,500	21%
Electronic markets and agents and brokers	5,800	7,000	1,200	21%
Architectural and engineering services	8,200	9,900	1,700	21%
Employment services	17,200	20,400	3,400	20%
Food services and drinking places	53,600	63,800	10,200	19%
Hospitals	19,600	23,300	3,700	19%
Primary metal manufacturing	3,400	4,000	600	18%
Fabricated metal product manufacturing	6,800	8,000	1,200	18%
Heavy and civil engineering construction	2,300	2,700	400	17%
Warehousing and storage	2,100	2,400	300	14%
Credit intermediation and related activities	13,300	15,100	1,800	14%
Truck transportation	6,300	7,200	900	14%
Amusement, gambling, and recreation	6,300	7,200	900	14%
Merchant wholesalers, nondurable goods	10,100	11,200	1,100	11%
Machinery manufacturing	5,100	5,600	500	10%
Transportation equipment manufacturing	5,800	6,400	600	10%
Motor vehicle and parts dealers	7,300	7,800	500	7%
Mining and logging	400	400	0	0%

[Source: Oregon Employment Department](#)

Occupations	Employment		Annual Openings			2015 Salary
	2012	2020	Growth	Replace	Total	
Retail Salespersons	22,107	25,386	3,279	7,561	10,840	\$27,240
Registered Nurses	12,828	15,227	335	273	608	\$87,077
Combined Food Preparation And Serving Workers, Including Fast Food	12,053	15,086	3,033	4,602	7,635	\$21,713
Waiters And Waitresses	12,184	14,004	1,820	5,862	7,682	\$24,091
Office Clerks, General	11,218	12,551	1,333	2,357	3,690	\$34,779
Customer Service Representatives	11,963	14,544	2,581	3,255	5,386	\$36,262
Cashiers	11,159	12,013	854	4,824	5,678	\$25,487
Bookkeeping, Accounting, And Auditing Clerks	9,963	11,677	1,714	915	2,629	\$40,464
Postsecondary Teachers, Except Graduate Teaching Assistants	9,783	11,227	14,444	1,470	2,914	\$66,132
Janitors And Cleaners	8,945	10,880	1,935	1,683	3,618	\$26,260
Laborers And Freight, Stock, And Material Movers, Hand	9,567	11,018	1,451	2,963	4,414	\$28,953
General And Operations Managers	9,569	11,319	1,750	1,790	3,540	\$109,111
Business Operations Specialists, All Other	8,463	9,789	1,326	1,160	2,486	\$66,763
Wholesale And Manufacturing Sales Representatives Non-Technical And Scientific	7,729	9,069	1,340	1,507	2,847	\$64,970

[Source: Oregon Employment Department](#)

## C. Wages

### Annual Average Wage by Industry (2014)

<b>2014 Industry</b>	<b>Wash. Co. Average Pay</b>	<b>PMSA Average Pay</b>
Total All Ownerships	\$62,682	\$53,374
Total Private Coverage	\$60,173	\$53,182
Natural Resources & Mining	\$30,596	\$30,064
Construction	\$58,656	\$59,790
Manufacturing	\$105,431	\$76,865
Trade, Transportation. & Utilities	\$46,126	\$43,164
Wholesale	\$81,666	\$66,802
Retail	\$30,202	\$29,580
Transportation, Warehousing & Utilities	\$52,572	\$49,700
Information	\$88,217	\$78,752
Financial Activities	\$61,376	\$67,427
Finance & Insurance	\$66,176	\$77,196
Real Estate Rental & Leasing	\$45,165	\$42,528
Professional & Business Services	\$79,218	\$70,524
Professional, Scientific & Technical Svcs	\$70,468	\$76,236
Management of Companies	\$167,583	\$121,925
Admin. & Support, Waste Mgmt & Remediation Svcs	\$36,062	\$34,733
Education & Health Services	\$46,737	\$47,750
Education	\$35,404	\$36,084
Health & Social Assistance	\$48,816	\$50,021
Leisure & Hospitality	\$18,215	\$20,473
Arts, Entertainment & Recreation	\$19,028	\$29,929
Accommodations & Food Services	\$18,058	\$19,006
Other Services	\$41,680	\$33,508
Private Non-Classified	\$50,363	\$39,899
Total Federal Government	\$69,817	\$75,214
Total State Government	\$40,934	\$41,011
Total Local Government	\$49,016	\$54,051

[Source: Oregon Employment Department](#)

Occupation	Employment	Employment per 100 jobs	Med. Hourly Wage	Mean Hourly Wage	Annual Mean Wage	Location Quotient
Retail Salespersons	35,980	33.05	\$11.64	\$13.40	\$27,860	0.99
Food Prep, Serving, Inc. Fast Food	98,610	90.57	\$10.54	\$11.81	\$24,570	0.99
Cashiers	23,810	21.87	\$10.95	\$12.01	\$24,980	0.87
Customer Service Representatives	19,090	17.53	\$16.83	\$17.68	\$36,770	0.93
Laborers, Freight, Stock, Material Movers	17,920	16.46	\$12.68	\$14.07	\$29,260	0.91
Office Clerks, General	17,830	16.38	\$16.14	\$16.79	\$34,920	0.77
Registered Nurses	20,140	18.49	\$41.80	\$40.95	\$85,170	0.93
Secretaries, Admin. Assistants*	15,730	14.44	\$17.62	\$17.62	\$37,610	0.87
Janitors and Cleaners**	17,950	13.23	\$12.49	\$13.29	\$27,640	0.85
Waiters and Waitresses	15,420	16.48	\$9.60	\$11.88	\$24,700	0.91
Bookkeeping, Accounting, Auditing	13,650	12.53	\$18.79	\$19.51	\$40,570	1.09
General and Operations Managers	19,290	17.72	\$43.42	\$53.66	\$111,620	1.14
Sales Reps., Wholesale, Manufacturing** *	12,820	11.78	\$28.19	\$33.08	\$68,820	1.15
Stock Clerks and Order Fillers	12,690	11.65	\$13.85	\$14.75	\$30,690	0.83
Heavy and Tractor-Trailer Truck Drivers	11,450	10.51	\$20.21	\$20.35	\$42,330	0.86
Substitute Teachers	8,840	8.12	\$21.20	\$20.70	\$43,060	1.79
Business Operations Specialists, All Other	10,380	9.53	\$31.08	\$34.49	\$71,730	1.42
Cooks, Restaurant	14,600	13.40	\$11.45	\$12.18	\$25,330	1.61

Office Supervisors, Admin. Support	8,750	8.03	\$25.52	\$26.78	\$55,710	0.78
Teacher Assistants	9,390	8.62	*	*	\$30,530	0.97
First-Line Supervisors of Retail Sales	7,510	6.90	\$18.37	\$20.38	\$42,380	0.80
Accountants and Auditors	8,980	8.24	\$29.75	\$32.30	\$67,190	0.93
Medical Secretaries	6,510	5.97	\$18.14	\$18.51	\$38,490	1.55
Personal Care Aides	8,810	8.09	\$11.10	\$11.50	\$23,920	0.81
Elementary School Teachers****	7,460	6.84	*	*	\$60,330	0.68
Maintenance and Repair Workers, General	8,230	7.56	\$19.49	\$20.66	\$42,970	0.79
Food Preparation Workers	7,740	7.11	\$11.06	\$11.65	\$24,220	1.14
Nursing Assistants	7,260	6.67	\$13.94	\$14.36	\$29,880	0.65
Bartenders	5,630	5.16	\$9.78	\$11.82	\$24,590	1.21
Shipping, Receiving, and Traffic Clerks	5,260	4.83	\$15.30	\$16.25	\$33,790	0.99
Receptionists and Information Clerks	6,270	5.75	\$13.69	\$14.29	\$29,730	0.81
Software Developers, Applications	9,750	8.95	\$90,190	\$47.55	\$49.01	1.65
Supervisors of Food Prep., Serving	6,680	6.13	\$13.54	\$15.22	\$31,650	0.96
Construction Laborers	6,240	5.72	\$17.23	\$18.94	\$39,390	0.89
Security Guards	6,060	5.57	\$13.41	\$15.19	\$31,590	0.70
Carpenters	7,150	6.57	\$22.35	\$23.15	\$48,150	1.42
Light Truck or Delivery Services Drivers	6,360	5.84	\$14.65	\$17.01	\$35,390	0.97
Personal Care and Service Workers	36,640	33.65	\$11.34	\$13.36	\$27,790	1.08

Computer User Support Specialists	6,000	5.50	\$23.30	\$24.96	\$51,910	1.30
Landscaping, Groundskeeping Workers	5,700	5.23	\$14.01	\$15.14	\$31,500	0.81
Sales Representatives, Services	5,850	5.37	\$23.52	\$29.22	\$60,770	0.84
Electricians	4,500	4.13	\$35.07	\$34.05	\$70,820	0.96
Maids and Housekeeping Cleaners	5,580	5.12	\$11.30	\$12.25	\$25,480	0.76
Secondary School Teachers*****	4,990	4.58	*	*	\$60,500	0.66
Medical Assistants	5,300	4.87	\$17.27	\$17.22	\$35,820	1.12
Production Workers, All Other	4,390	4.03	\$13.76	\$15.72	\$32,700	2.30
Industrial Truck and Tractor Operators	5,290	4.86	\$18.02	\$18.32	\$38,110	1.24
Packers and Packers, Hand	4,660	4.27	\$11.14	\$12.61	\$26,230	0.83
Office and Admin. Support Workers	5,010	4.60	\$16.80	\$17.75	\$36,910	2.65
Sales Representatives, Wholesale and Manufacturing, Techn., Scientific Products	3,280	3.00	\$34.06	\$40.16	\$83,530	1.24

Source: Bureau of Labor Statistics

\* Except Legal, Medical, and Executive

\*\* Except Maids and Housekeeping Cleaners

\*\*\* Except Technical and Scientific Products

\*\*\*\* Except Special Education

\*\*\*\*\*Except Special and Career/Technical Education

+10th percentile

++75th percentile

## Wage Rates by Selected Occupation (2015) Multnomah & Washington Counties

Occupational Category	Job Title	Median Hourly Wage	Average Hourly Wage	Annual Average Wage
<b>Professional</b>				
	Accountants/Auditors	\$30.06	\$31.63	\$65,803
	Budget Analysts	\$34.02	\$36.02	\$74,944
	Loan Officers	\$33.42	\$39.01	\$81,146
	Computer Programmers	\$35.46	\$36.11	\$75,102
	Computer Software Engineers, Systems Softw.	\$49.20	\$49.32	\$102,594
	Civil Engineer	\$36.46	\$38.28	\$79,612
	Industrial Engineer	\$49.12	\$47.64	\$99,098
	Electrical Engineer	\$39.60	\$42.60	\$88,618
	Environmental/Health Scientists	\$37.21	\$38.74	\$80,574
<b>Management</b>				
	Marketing Managers	\$47.50	\$51.44	\$106,992
	Financial Managers	\$49.39	\$54.36	\$113,070
	Industrial Production Mgrs	\$42.33	\$45.38	\$94,389
	Engineering Managers	\$65.10	\$67.79	\$141,001
	Computer & Information Systems Managers	\$55.31	\$57.05	\$118,656
<b>Technical</b>				
	Network & Computer Administrator	\$34.22	\$34.79	\$72,372
	Electro-Mechanical Techs	\$26.17	\$26.53	\$55,187
	Environmental Engineering	\$30.05	\$29.35	\$61,047
	Environmental Engineering Technicians	\$18.44	\$21.08	\$43,849
	Chemical Technicians	\$34.22	\$34.79	\$72,372
<b>Office/Clerical</b>				
	Office Supervisors	\$24.87	\$25.84	\$53,752
	Order Clerks	\$16.06	\$16.97	\$35,302
	Receptionists	\$13.24	\$13.80	\$28,696
	Data Entry Keyers	\$13.93	\$14.41	\$29,974

	Bookkeeper, Account & Word Processors/Typists	\$17.72	\$20.29	\$42,209
	Bookkeeper, Account & Audit Clerks	\$18.54	\$19.45	\$40,464
	Customer Service Reps	\$16.68	\$17.43	\$36,262
	Office Clerks, General	\$16.20	\$16.73	\$34,799
	Executive Secretaries & Administrative Assistants	\$25.16	\$26.45	\$55,014
<b>Production</b>				
	Electronic/ Electrical Equipment Assemblers	\$15.14	\$15.45	\$32,132
	Structural Metal Fabricators/Fitters	\$19.42	\$19.34	\$40,225
	Computer Controlled Machine Tool Operators	\$17.83	\$18.79	\$39,077
	Machinists	\$24.21	\$24.46	\$50,883
	Semiconductor Processors	\$15.59	\$16.29	\$33,874
	Welder, Cutter, Solderer	\$20.29	\$20.14	\$41,893
	Packaging & Filling Machine Operator	\$12.85	\$13.62	\$28,339
	Production Worker Helper	\$13.58	\$14.06	\$29,249
	Food Mixing & Blending Machine Operators	\$12.87	\$13.64	\$28,364
<b>Transportation/ Material Move.</b>				
	Supervisors-Transportation	\$24.33	\$26.97	\$56,095
	Truck Drivers-Heavy	\$19.01	\$19.84	\$41,262
	Truck Drivers-Light/Delivery	\$14.91	\$17.41	\$36,221
	Fork Lift Operator	\$16.33	\$16.86	\$35,079
	Driver/Sales Workers	\$12.86	\$13.98	\$29,082
	Packers & Packages, Hand	\$10.56	\$11.93	\$24,824
	Laborers & Freight, Stock & Material Movers	\$12.90	\$13.92	\$28,953
	Conveyor Operators	\$14.67	\$16.76	\$34,859

<b>Healthcare</b>			
Registered Nurses	\$41.96	\$41.86	\$87,077
Occupational Therapists	\$39.02	\$38.14	\$79,338
Medical & Clinical Lab Technologists	\$32.03	\$30.26	\$62,948
Nursing Aides/Orderlies	\$13.82	\$14.04	\$29,206
Licensed Practical & Vocational Nurses	\$24.46	\$24.30	\$50,548
Radiologic, CAT & MRI Technologists	\$32.70	\$32.81	\$68,245
Occupational Health & Safety Specialists	\$32.66	\$33.69	\$70,084
<b>Retail/Sales</b>			
Cashiers	\$11.16	\$12.25	\$25,487
Retail Salesperson	\$11.33	\$13.10	\$27,240
Parts Salesperson	\$17.08	\$17.53	\$36,462
Supervisors Retail Sales	\$17.69	\$19.19	\$39,920
Telemarketers	\$11.43	\$12.44	\$25,885

Source: Oregon Employment Department-Oregon Wage Information (2013)

## D. Education and Demographics

Education Attainment			
	Forest Grove	Washington County	Portland PMSA
<b>Education Level (Aged 25+)</b>			
High School Graduate or Higher	84.3%	90.6%	90.9%
Bachelors Degree or Higher	22.5%	39.7%	44.4%

Source: U.S. Census Bureau, 2010-2014 American Community Survey

Selected Population Demographics			
	Forest Grove	Washington County	Portland PMSA
<b>Demographic</b>			
% age 65 and over	13.4%	11.0%	11.0%
% 25-44	24.8%	30.6%	36%
% under age 18	31.1%	27%	21%
% Hispanic or Latino	22.3%	16.0%	11.2%

Source: U.S. Census Bureau, 2010-2014 American Community Survey

Age			
Category	Forest Grove	Wash. Co.	PMSA
18 years and over	73.5%	75.1%	81.2%
21 years and over	67.0%	71.8%	77.9%
62 years and over	15.9%	14.0%	14.3%
65 years and over	13.4%	11.0%	11.0%
Median age (years)	35.0	35.9	36.4

Source: U.S. 2014 Census