

Oregon's Food & Beverage Cluster

Oregon's Food and Beverage sectors tout strong employment level and growth relative to the rest of the U.S., but their wages have lagged behind the wages of most other sectors. Moreover, R&D spending and patent activities have weakened. The Beverages sector grew faster and tends to have smaller employers. The Food sector is expected to grow 14.5% between 2017 and 2027.

Food & Beverage Cluster Performance Metrics

Oregon's industry cluster performance relative to the United States

Food and Beverage	Oregon		U.S.		Competitiveness Relative to U.S.
	2019	Annual Growth since 2007	2019	Annual Growth since 2007	
Employment	96,412	1.7%	6,084,113	0.9%	Higher
Establishments	4,577	2.8%	249,711	1.2%	Higher
Average Wage	\$38,496	2.4%	\$40,038	2.1%	Higher
R&D (in Millions, annual) ¹	\$12	-11.5%	\$5,421	1.7%	Lower
Patents (estimated, annual) ²	14	2.8%	1,820	10.2%	Lower
Location Quotient	1.22				
Projected 10-Year Employment Growth	14.5%				

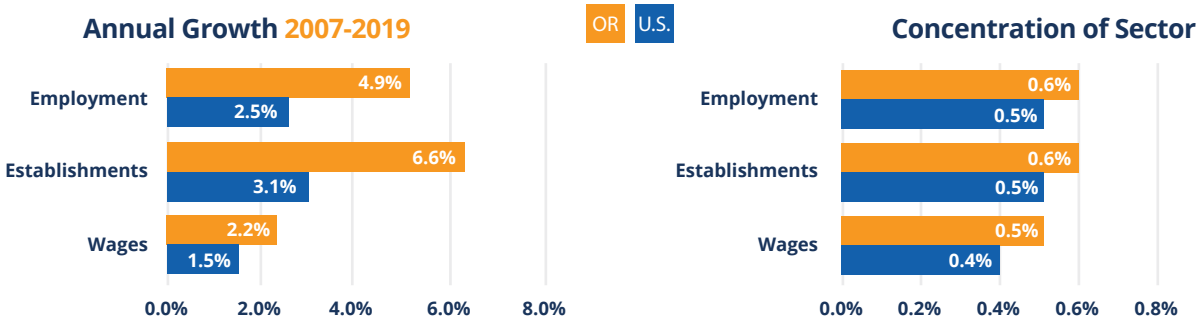
¹ Research and development paid for and performed by companies in 2017 and growth since 2011. Beverages sector data includes tobacco products.

² Estimate of patents granted in 2017 based on 2007 to 2015 data and growth since 2007.

Note: A Location quotient (LQ) measures the concentration or specialization of an industry compared to a larger geography. For these handouts, we compare Oregon's economic clusters and subclusters to the United States. An LQ is calculated by taking the region's share of an economic indicator (jobs, wages, establishments, etc.) relative to the share of that indicator in the larger geography.

Sector Snapshot

Beverages	Oregon		U.S.		Competitiveness Relative to U.S.
	2019	Annual Growth since 2007	2019	Annual Growth since 2007	
Employment	11,988	4.9%	665,941	2.5%	Higher
Establishments	982	6.6%	52,919	3.1%	Higher
Average Wage	\$43,388	2.2%	\$51,503	1.5%	Higher
Location Quotient	1.39				
Projected 10-Year Employment Growth	N/A				



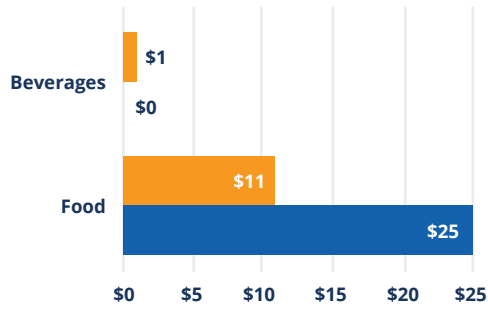
Food	Oregon		U.S.		Competitiveness Relative to U.S.
	2019	Annual Growth since 2007	2019	Annual Growth since 2007	
Employment	84,424	1.4%	5,418,172	0.7%	Higher
Establishments	3,595	2.0%	196,792	0.8%	Higher
Average Wage	\$37,802	2.3%	\$38,629	2.1%	Higher
Location Quotient	1.20				
Projected 10-Year Employment Growth	14.5%				



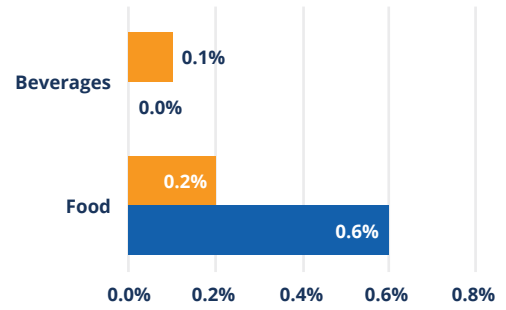
R&D by Sector

Annual Oregon R&D in Millions

2017 2011



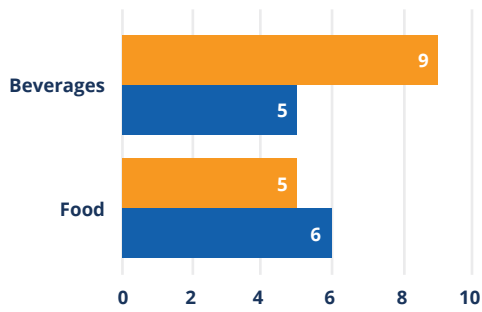
Oregon R&D as a Share of U.S. R&D



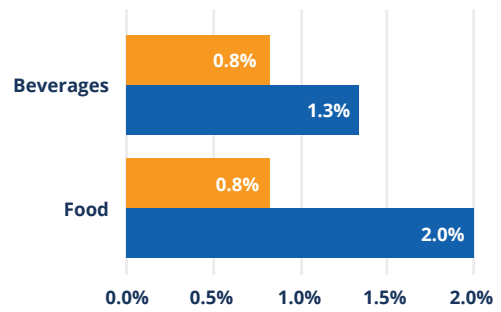
Patents by Sector

Annual Oregon Patents

2017 2007



Oregon Patents as a Share of U.S. Patents



Sources:

U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), 2007 and 2019.

Oregon Employment Department, Oregon Industry Employment Forecast, 2017-2027.

National Science Foundation (NSF), Business Enterprise Research and Development Survey (BERD), 2011 and 2017.

U.S. Patent and Trademark Office, Patent Technology Monitoring Team (PTMT), Patenting by Geographic Region (State and Country), 2007 to 2015.