

WASHINGTON STATE LIFE SCIENCE ECONOMIC IMPACT REPORT



Washington's life science industry encompasses world-class academic and non-profit research institutions as well as companies conducting R&D and manufacturing products in biotechnology, medical devices, digital health/health IT, bioagriculture, biofuels, and veterinary medicine.

33.6% Life science employment growth in Washington State from 2015 - 2021

Strong Job Growth

From 2015-2021, Washington's life science industry grew 33.6% - outpacing both Washington private sector job growth and life science job growth nationally and again served as a buffer during the economic downturn.

Top National Cluster

Washington's life science cluster has transformed from a top research cluster to one of the top 10 life science clusters in the United States (Genetic Engineering & Biotechnology News).

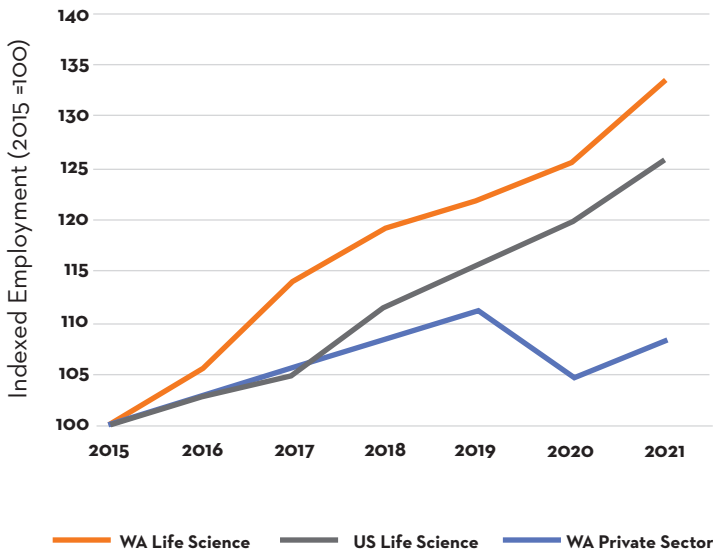
Top STEM-based Industry for Women

Women make up 45% of Washington's life science industry. That's one of the highest concentrations of women in a STEM-based industry. By comparison, the percentage of women working in aerospace and computer system design is 24% and 31%, respectively**.

Added Commercial & Manufacturing Jobs

Much of the growth was fueled by local companies adding commercial and manufacturing jobs. Today, the industry provides a diversity of jobs ranging from entry-level manufacturing to roles supporting commercial operations and advanced research positions.

Employment



2021 EMPLOYMENT*

43,546

Individuals employed directly in life science jobs

104,232

Jobs supported by WA science industry

\$123,108

Average annual wage for life science jobs in WA

\$84,068

Average annual wage for other WA private sector jobs

2021 ECONOMIC IMPACT*

\$35.3B

Total economic impact

\$20.7B

Added to WA's GDP

\$10.9B

In wages & benefits

\$1.6B

Contribution to state/local tax revenue

1100+

Life science organizations

are located in

136

cities across Washington State

335 Biotechnology & Nonprofit Research

278 Medical Device & Equipment

196 Digital Health & Health IT

103 Agricultural Feedstock & Industrial Bioscience

102 Life Science - Related Distribution

90 Drug & Pharmaceutical

POLICY PRIORITIES

- Develop a sufficient workforce to sustain Washington's life science industry
- Ensure that business, tax, and regulatory policies enable companies to invest in long-term, high-risk R&D programs
- Support entrepreneurship and start-up mentoring programs
- Invest in research & educational facilities

*Source: TEconomy Partners' analysis of Bureau of Labor Statistics, CEW data. The employment & economic impact numbers do NOT include the impact of digital health/health IT companies due to data limitations.

**Source: TEconomy Partners analysis of Emsi 2023.1 data set.

136 WASHINGTON CITIES HOST LIFE SCIENCE FACILITIES

City	Number of Companies	City	Number of Companies	City	Number of Companies	City	Number of Companies
Aberdeen	2	Ellensburg	5	Medina	1	Ritzville	1
Airway Heights	1	Everett	15	Mercer Island	6	Royal City	1
Algona	1	Everson	1	Mesa	1	Sammamish	5
Anacortes	1	Fairfield	1	Mill Creek	7	Seattle	408
Arlington	6	Federal Way	10	Milton	1	Sequim	1
Auburn	7	Ferndale	10	Monroe	8	Shoreline	6
Bainbridge Island	12	Fife	5	Moses Lake	11	Silverdale	2
Battle Ground	2	Friday Harbor	2	Mount Vernon	4	Snohomish	3
Bellevue	69	Gig Harbor	8	Mountlake Terrace	2	Snoqualmie	3
Bellingham	17	Grandview	1	Moxee	1	Spanaway	1
Black Diamond	1	Granger	1	Mukilteo	6	Spokane	46
Blaine	3	Grayland	1	Newcastle	1	Spokane Valley	15
Bonney Lake	2	Harrah	1	Normandy Park	1	Sprague	1
Bothell	59	Issaquah	16	Northeast Renton	1	Stanwood	3
Bremerton	2	Joint Base Lewis-McChord	1	Oak Harbor	2	Sumner	2
Brush Prairie	1	Kalama	1	Olympia	18	Sunnyside	2
Buckley	2	Kelso	1	Omak	1	Tacoma	23
Burien	3	Kenmore	5	Othello	6	Tukwila	8
Burlington	4	Kennewick	12	Parker	1	Tumwater	1
Camas	2	Kent	11	Pasco	12	Union Gap	1
Cashmere	2	Kingston	3	Pateros	1	University Place	1
Centralia	2	Kirkland	33	Pomeroy	2	Valleyford	1
Chehalis	2	Lacey	7	Port Orchard	4	Vancouver	45
Chelan	1	Lake Forest Park	2	Port Townsend	1	Vashon	2
Clarkston	1	Lakewood	4	Poulsbo	5	Walla Walla	2
Colfax	1	Liberty Lake	2	Pullman	9	Wapato	1
Colville	1	Longview	3	Puyallup	8	Warden	2
Connell	3	Lynden	4	Quincy	3	Waterville	1
Coupeville	2	Lynnwood	11	Raymond	1	Wenatchee	7
Davenport	1	Mabton	1	Reardan	1	Woodinville	23
Des Moines	1	Manson	1	Redmond	53	Woodland	1
East Wenatchee	3	Maple Valley	2	Renton	12	Yakima	14
Eastsound	2	Marysville	3	Richland	10	Yelm	1
Edmonds	5	Mattawa	1	Ridgefield	4	Zillah	3
Grand Total							1,521

*Total number of employers is higher than on the front page because some companies have facilities located in multiple cities across the state