



Idaho

The U.S. Bioscience Industry: Fostering Innovation and Driving America's Economy Forward

Idaho's bioscience industry has grown in recent years, increasing its employment base by 16 percent since 2018, outpacing the national growth rate and reaching more than 8,000 industry jobs in 2021. Employers in three of the five industry subsectors added jobs during this period to contribute to the overall gain. Idaho has a highly specialized employment concentration in agricultural feedstock and industrial biosciences with a location quotient of 2.54. The state's research institutions have increased their NIH funding awards from 2018 to \$18.4 million in 2021. Bioscience-related venture capital investments in Idaho companies increased significantly in 2021 to nearly \$36 million.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metric	Idaho	United States	Quintile
Bioscience Industry, 2021			
Bioscience Industry Employment	8,031	2,135,704	IV
Bioscience Industry Location Quotient	0.69	n/a	IV
Bioscience Industry Establishments	1,065	127,389	IV
Academic Bioscience R&D Expenditures, FY 2020			
Bioscience R&D (\$ thousands)	\$92,813	\$51,108,737	V
Bioscience Share of Total R&D	57%	63%	III
Bioscience R&D Per Capita	\$50	\$154	V
NIH Funding, FY 2021			
Funding (\$ thousands)	\$18,376	\$34,751,109	V
Funding Per Capita	\$10	\$105	V
Bioscience Venture Capital Investments, 2018-21 (\$ millions)			
	\$70.09	\$197,674.54	IV
Bioscience-Related Patents, 2018-21			
	344	153,072	IV

State ranking figures for bioscience performance metrics are calculated as quintiles, where I = top quintile, III = middle quintile, and V = bottom quintile. For source notes, see end of State Profile.

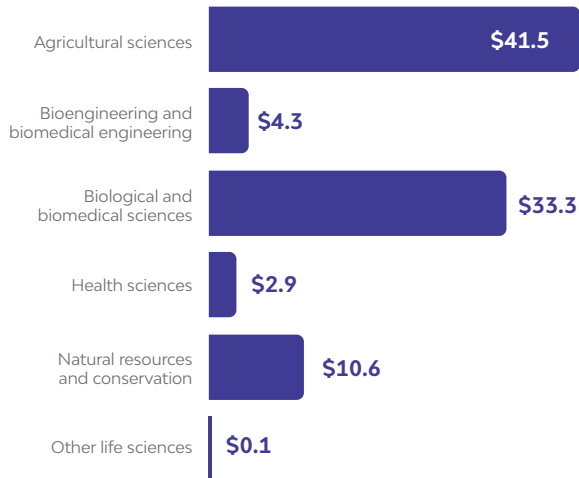
Industry Subsector		Idaho		United States	
		2021	2018–2021 Change	2021	2018–2021 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	43	20.6%	1,948	10.0%
	Employment	959	8.8%	69,573	1.9%
	<i>Location Quotient</i>	2.54		n/a	
	Average Annual Wage	\$82,163	0.2%	\$91,989	13.1%
Bioscience- Related Distribution	Establishments	592	27.2%	62,697	14.7%
	Employment	3,397	24.2%	602,589	6.6%
	<i>Location Quotient</i>	1.04		n/a	
	Average Annual Wage	\$92,375	13.9%	\$121,606	15.0%
Medical Devices and Equipment	Establishments	80	2.2%	10,268	17.4%
	Employment	358	-2.3%	398,847	5.5%
	<i>Location Quotient</i>	0.16		n/a	
	Average Annual Wage	\$65,803	12.0%	\$98,481	8.7%
Pharmaceuticals	Establishments	43	-15.8%	5,973	34.7%
	Employment	455	-27.5%	344,839	11.9%
	<i>Location Quotient</i>	0.24		n/a	
	Average Annual Wage	\$75,873	12.8%	\$126,153	10.3%
Research, Testing, and Medical Laboratories	Establishments	309	63.1%	46,503	34.5%
	Employment	2,861	24.2%	719,856	19.3%
	<i>Location Quotient</i>	0.73		n/a	
	Average Annual Wage	\$93,735	13.3%	\$147,396	22.0%
Total Bioscience Industry	Establishments	1,065	30.2%	127,389	22.3%
	Employment	8,031	16.1%	2,135,704	11.0%
	<i>Location Quotient</i>	0.69		n/a	
	Average Annual Wage	\$89,521	12.9%	\$125,750	16.4%
Total Private Sector	Establishments	75,692	24.3%	10,665,643	9.3%
	Employment	670,801	9.7%	123,376,557	-1.5%
	<i>Location Quotient</i>	1.00		n/a	
	Average Annual Wage	\$51,147	19.3%	\$67,826	18.9%

Note: U.S. employment metrics include Puerto Rico.

Bioscience Research in Idaho

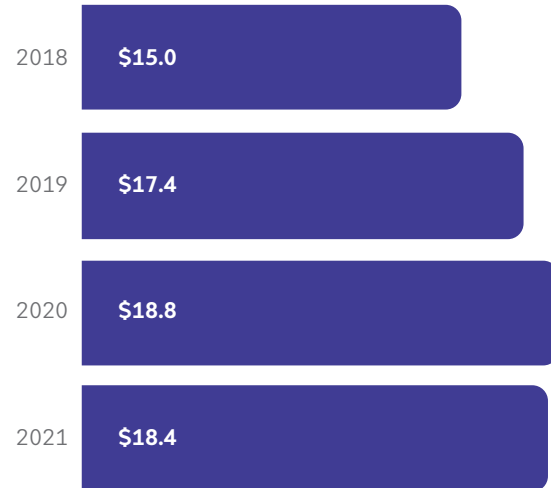
Bioscience Academic R&D Expenditures

\$ Millions, FY 2020



NIH Awards

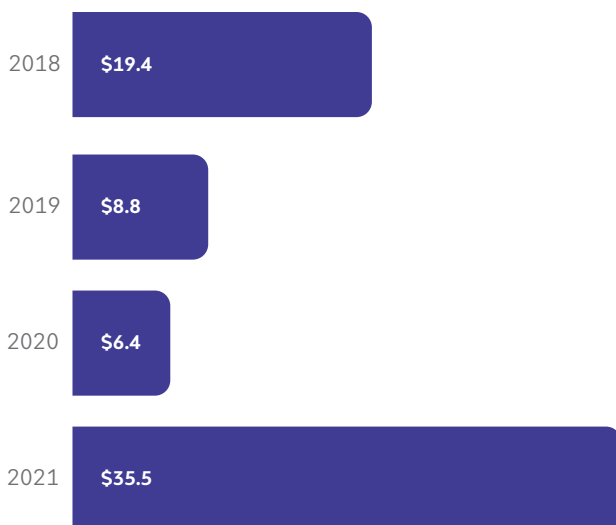
\$ Millions, FY 2018-2021



Bioscience Venture Capital in Idaho

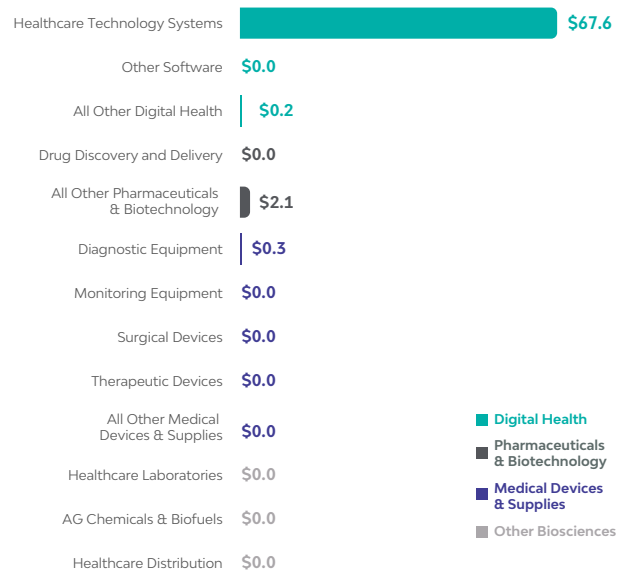
Bioscience-Related Venture Capital Investments

\$ Millions, 2018-2021



Bioscience-Related Venture Capital Investments by Segment

\$ Millions, 2018-2021

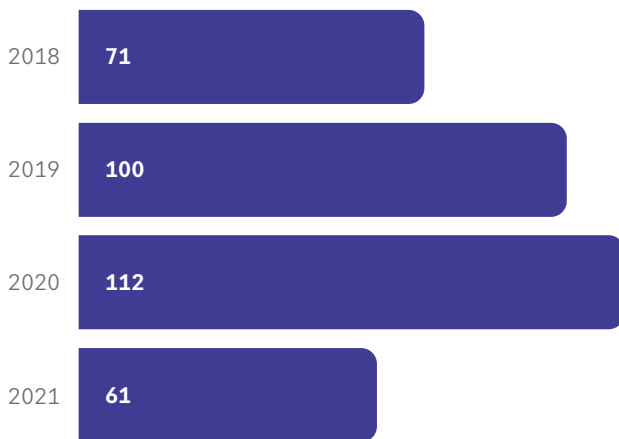


- Digital Health
- Pharmaceuticals & Biotechnology
- Medical Devices & Supplies
- Other Biosciences

Bioscience Patents in Idaho

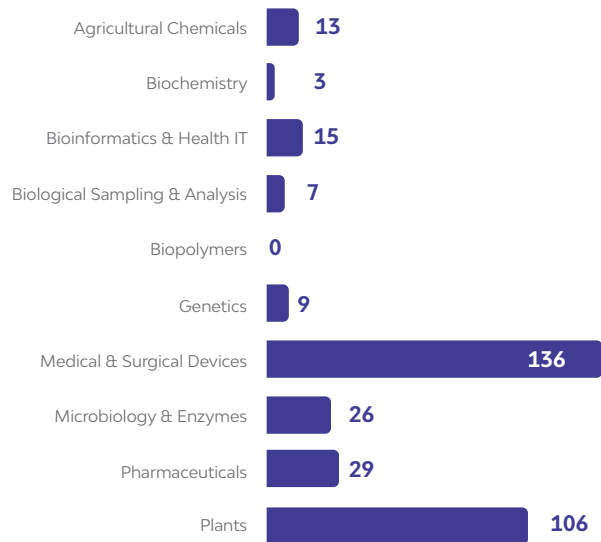
Bioscience-Related U.S. Patents

2018-2021



Bioscience-Related U.S. Patents by Segment

2018-2021



Source Notes

Employment, Establishments and Wages: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), enhanced by Lightcast (Datarun 2022.3).

Academic R&D Expenditures: National Science Foundation (NSF), Higher Education Research and Development (HERD) Survey.

NIH Funding: National Institutes of Health, NIH Awards by Location & Organization (summary information within RePORT database).

Venture Capital: PitchBook Data, Inc.

Patents: U.S. Patent & Trademark Office data from Clarivate Analytics’ Derwent Innovation patent analysis database.

For a more detailed discussion of the data and methodology used, please see the Appendix to the full national report.