



New Hampshire

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

New Hampshire's bioscience industry, while modest in size, has grown at a strong rate in recent years and outpaced national job growth. From 2018 through 2021, the industry grew by 24 percent to reach 8,293 jobs that span 875 business establishments across the state. Job gains occurred throughout the industry with all five of New Hampshire's industry subsectors contributing to the overall growth. The state has a specialized employment concentration in the medical device and equipment subsector, which is 44 percent more concentrated relative to the national average (location quotient is 1.44). New Hampshire also has a high concentration of employment in pharmaceuticals. New Hampshire has a strong concentration of bioscience-related university R&D activity relative to its size, with nearly \$238 million in academic R&D expenditures in 2020 equivalent to \$173 per capita, well above the national per capita average.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metric	New Hampshire	United States	Quintile
Bioscience Industry, 2021			
Bioscience Industry Employment	8,293	2,135,704	IV
Bioscience Industry Location Quotient	0.84	n/a	III
Bioscience Industry Establishments	875	127,389	IV
Academic Bioscience R&D Expenditures, FY 2020			
Bioscience R&D (\$ thousands)	\$237,746	\$51,108,737	IV
Bioscience Share of Total R&D	55%	63%	III
Bioscience R&D Per Capita	\$173	\$154	II
NIH Funding, FY 2021			
Funding (\$ thousands)	\$113,295	\$34,751,109	IV
Funding Per Capita	\$82	\$105	II
Bioscience Venture Capital Investments, 2018-21 (\$ millions)			
	\$291.66	\$197,674.54	III
Bioscience-Related Patents, 2018-21			
	1,408	153,072	III

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.

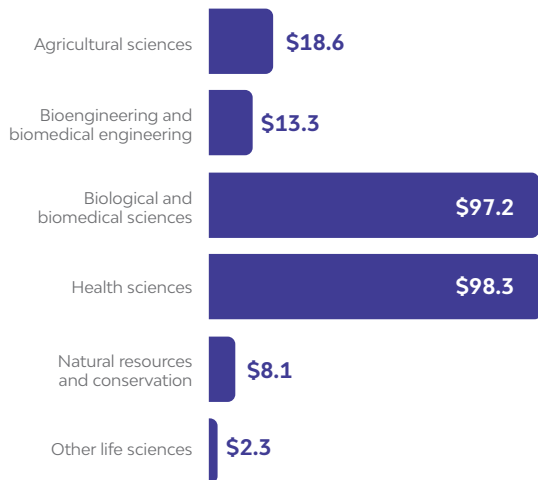
Industry Subsector		New Hampshire		United States	
		2021	2018–2021 Change	2021	2018–2021 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	3	50.0%	1,948	10.0%
	Employment	5	3.2%	69,573	1.9%
	<i>Location Quotient</i>	0.02		n/a	
	Average Annual Wage	\$182,808	137.1%	\$91,989	13.1%
Bioscience-Related Distribution	Establishments	540	186.7%	62,697	14.7%
	Employment	2,320	76.9%	602,589	6.6%
	<i>Location Quotient</i>	0.84		n/a	
	Average Annual Wage	\$128,719	40.0%	\$121,606	15.0%
Medical Devices and Equipment	Establishments	71	28.6%	10,268	17.4%
	Employment	2,639	8.4%	398,847	5.5%
	<i>Location Quotient</i>	1.44		n/a	
	Average Annual Wage	\$113,158	57.2%	\$98,481	8.7%
Pharmaceuticals	Establishments	18	-1.4%	5,973	34.7%
	Employment	1,768	15.5%	344,839	11.9%
	<i>Location Quotient</i>	1.11		n/a	
	Average Annual Wage	\$98,586	7.1%	\$126,153	10.3%
Research, Testing, and Medical Laboratories	Establishments	243	49.9%	46,503	34.5%
	Employment	1,561	11.5%	719,856	19.3%
	<i>Location Quotient</i>	0.47		n/a	
	Average Annual Wage	\$142,053	18.8%	\$147,396	22.0%
Total Bioscience Industry	Establishments	875	105.6%	127,389	22.3%
	Employment	8,293	24.1%	2,135,704	11.0%
	<i>Location Quotient</i>	0.84		n/a	
	Average Annual Wage	\$119,883	32.5%	\$125,750	16.4%
Total Private Sector	Establishments	56,153	12.2%	10,665,643	9.3%
	Employment	567,821	-1.1%	123,376,557	-1.5%
	<i>Location Quotient</i>	1.00		n/a	
	Average Annual Wage	\$74,398	28.6%	\$67,826	18.9%

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

Bioscience Research in New Hampshire

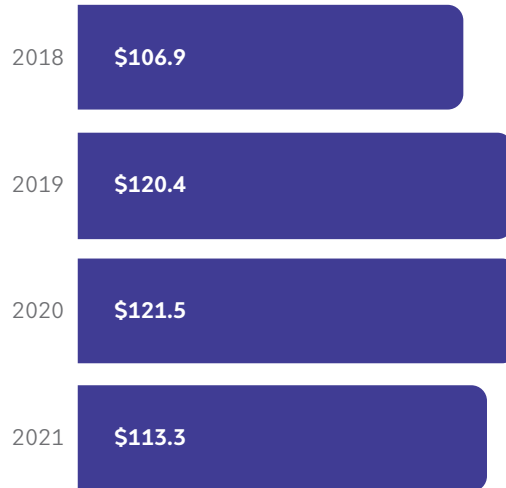
Bioscience Academic R&D Expenditures

\$ Millions, FY 2020



NIH Awards

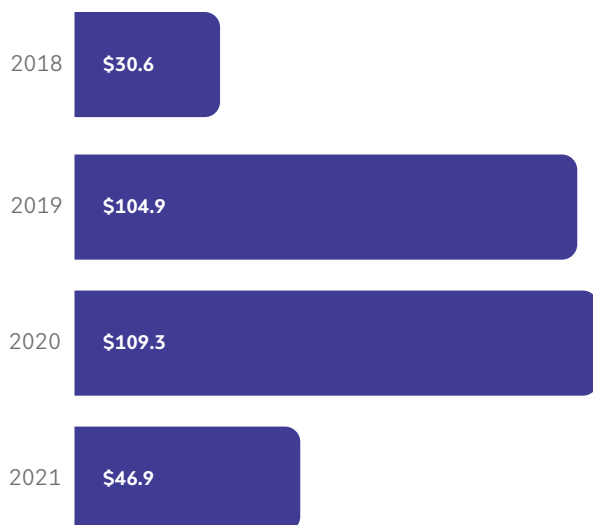
\$ Millions, FY 2018-2021



Bioscience Venture Capital in New Hampshire

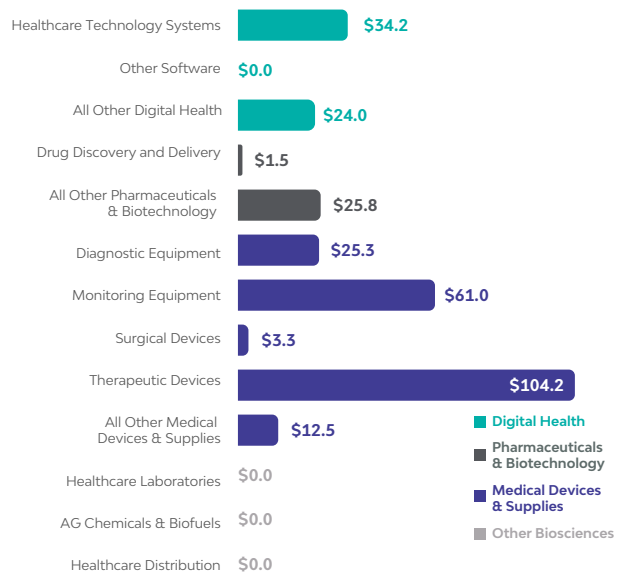
Bioscience-Related Venture Capital Investments

\$ Millions, 2018-2021



Bioscience-Related Venture Capital Investments by Segment

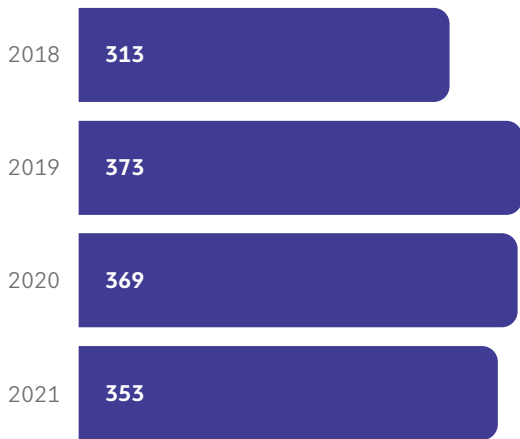
\$ Millions, 2018-2021



Bioscience Patents in New Hampshire

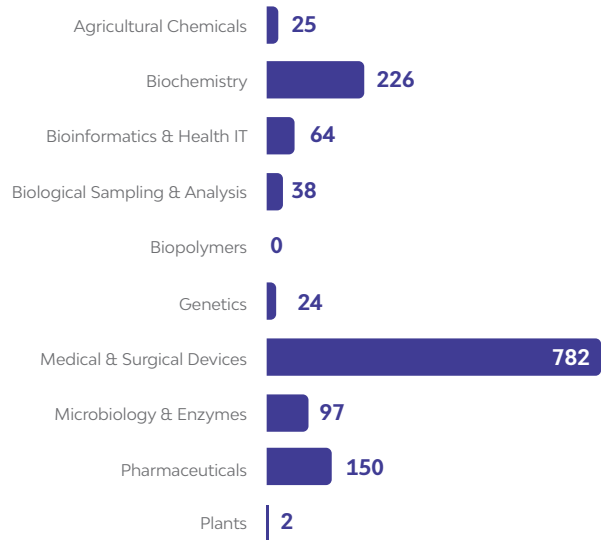
Bioscience-Related U.S. Patents

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.