Minnesota



The U.S. Bioscience Economy:

Advancing Innovation and Strengthening States and Regions

Minnesota has a large bioscience industry, highly specialized in its employment concentration. Bioscience employment totaled 69,800 jobs across 3,635 state business establishments in 2025. Overall industry employment increased by 7.3 percent from 2021 through 2025, matching national growth. Minnesota's bioscience strengths are led by a highly specialized medical device industry, as well as specialized employment concentrations in distribution and agricultural biosciences. The medical devices and equipment subsector accounts for nearly half of bioscience employment and is almost four times as concentrated as nationally. All five major subsectors added jobs, with double-digit gains in distribution and research, testing, and medical laboratories. Minnesota's overall bioscience employment concentration is 59 percent above the national average. Annual bioscience wages averaged $132,145, 70 percent above Minnesota's private sector average. State universities conducted nearly $1.1 billion in bioscience-related R&D in FY 2024, and institutions received $724.7 million in NIH funding in FY 2025. Venture capital investments in bioscience companies totaled $5.9 billion from 2021 through 2025, while state inventors were affiliated with 7,985 bioscience-related patents.

BIOSCIENCE PERFORMANCE METRICS

Summary of State Performance in Selected Bioscience-related Metrics

METRIC		Minnesota	United States	Quintile
Bioscience Industry, 2025	Bioscience Industry Employment	69,800	2,312,617	II
	Bioscience Industry Location Quotient	1.59	n/a	I
	Bioscience Industry Establishments	3,635	156,463	II
Academic Bioscience R&D Expenditures, FY 2024	Bioscience R&D ($ thousands)	$1,082,877	$68,902,940	II
	Bioscience Share of Total R&D	77%	63%	I
	Bioscience R&D Per Capita	$187	$203	III
NIH Funding, FY 2025	Funding ($ thousands)	$724,678	$36,741,235	II
	Funding Per Capita	$124	$107	II
Bioscience Venture Capital, 2021-25	Investments ($ millions)	$5,916.51	$297,644	I
Bioscience-Related Patents, 2021-25	Total Patents	7,985	138,607	I

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.

Minnesota

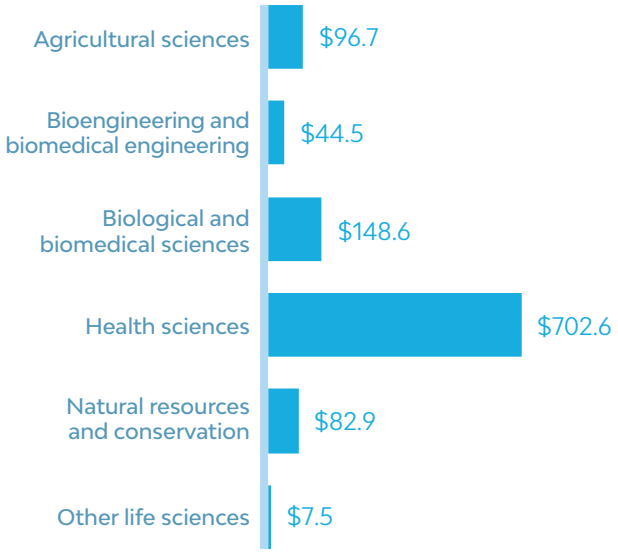
INDUSTRY SUBSECTOR		Minnesota 2025	Minnesota 2021–2025 Change	United States 2025	United States 2021–2025 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	42	0.6%	2,158	10.7%
	Employment	1,809	2.3%	71,331	2.2%
	Location Quotient	1.33		n/a	
	Average Annual Wage	$99,573	29.5%	$105,506	14.7%
Bioscience-Related Distribution	Establishments	2,097	33.2%	68,949	10.0%
	Employment	19,808	15.7%	667,651	10.7%
	Location Quotient	1.56		n/a	
	Average Annual Wage	$157,278	21.3%	$144,792	19.0%
Medical Devices and Equipment	Establishments	443	9.5%	13,595	24.6%
	Employment	32,550	1.4%	430,363	1.9%
	Location Quotient	3.97		n/a	
	Average Annual Wage	$121,569	11.7%	$110,757	13.9%
Pharmaceuticals	Establishments	83	35.8%	7,880	31.0%
	Employment	5,458	9.2%	363,904	5.4%
	Location Quotient	0.79		n/a	
	Average Annual Wage	$115,758	-1.2%	$146,506	16.3%
Research, Testing, and Medical Laboratories	Establishments	971	56.4%	63,881	37.0%
	Employment	10,174	12.5%	779,368	8.1%
	Location Quotient	0.69		n/a	
	Average Annual Wage	$131,631	17.5%	$167,555	13.7%
Total Bioscience Industry	Establishments	3,635	34.5%	156,463	22.1%
	Employment	69,800	7.3%	2,312,617	7.0%
	Location Quotient	1.59		n/a	
	Average Annual Wage	$132,145	15.4%	$145,188	16.0%
Total Private Sector	Establishments	206,668	15.5%	11,985,043	12.5%
	Employment	2,547,445	5.7%	133,872,972	8.5%
	Location Quotient	1.00		n/a	
	Average Annual Wage	$77,518	14.5%	$78,863	16.3%

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

BIOSCIENCE RESEARCH IN MINNESOTA

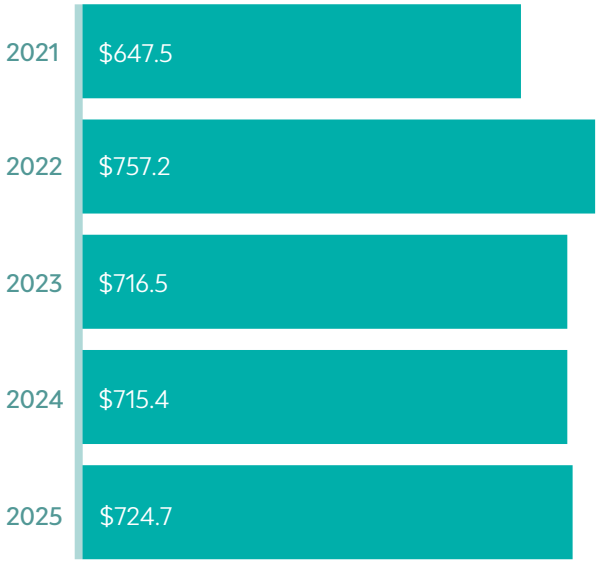
Bioscience Academic R&D Expenditures

$ Millions, FY 2024



NIH Awards

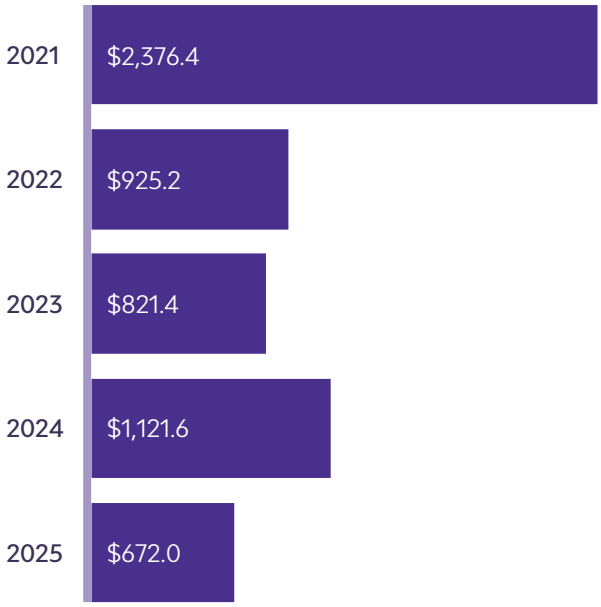
$ Millions, FY 2021-2025



BIOSCIENCE VENTURE CAPITAL IN MINNESOTA

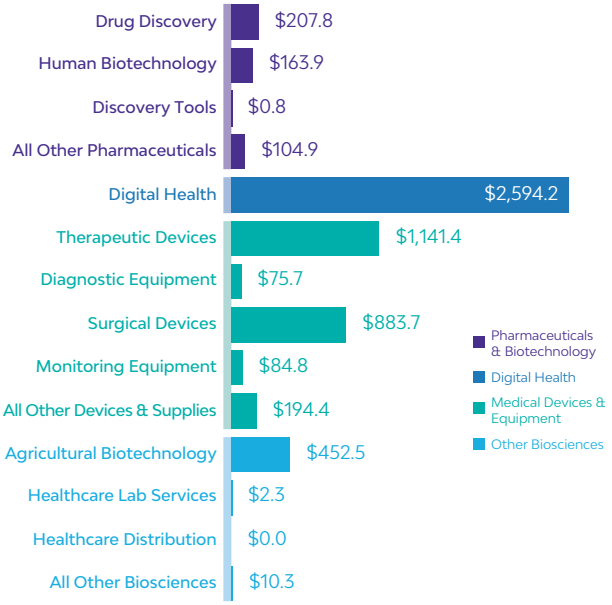
Bioscience-Related Venture Capital Investments

$ Millions, 2021-2025



Bioscience-Related Venture Capital Investments by Segment

$ Millions, 2021-2025

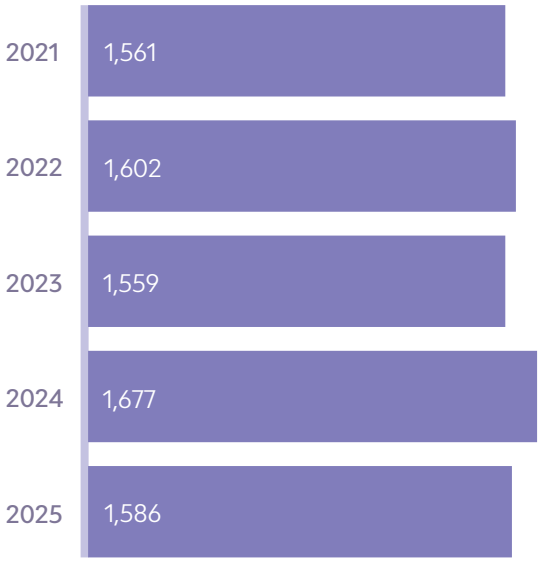


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BIOSCIENCE PATENTS IN MINNESOTA

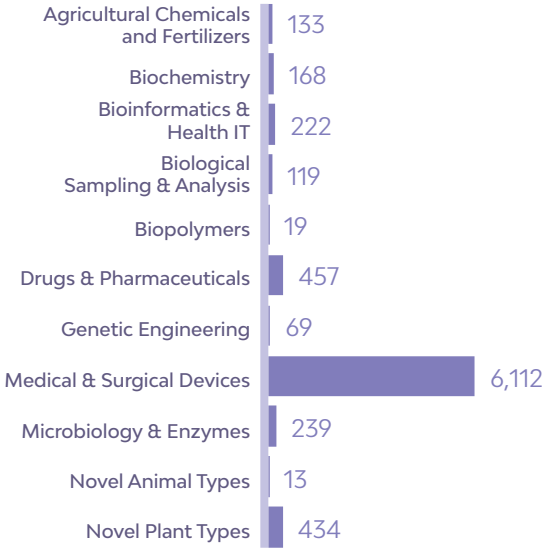
Bioscience-Related U.S. Patents

2021-2025



Bioscience-Related U.S. Patents by Segment

2021-2025



SOURCE NOTES

Employment, Establishments and Wages: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), enhanced by Lightcast (Datarun 2026.3).

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

NIH Funding: National Institutes of Health, NIH Awards via the NIH RePORT portal.

Venture Capital: PitchBook Data, Inc.

Patents: U.S. Patent & Trademark Office data from the Clarivate Derwent Patent Search patent analysis database.

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

TECONOMY PARTNERS LLC

Bio Biotechnology Innovation Organization

CSBA Council of State Bioscience Associations