Ohio



The U.S. Bioscience Economy:

Advancing Innovation and Strengthening States and Regions

Ohio's bioscience industry employment increased by 9.9 percent from 2021 through 2025, exceeding national growth. The industry reached 66,197 jobs across 5,172 business establishments in 2025. Four major subsectors contributed to the job gains, led by double-digit growth in pharmaceuticals and research, testing, and medical laboratories. Bioscience-related distribution remains the largest subsector and has an above-average employment concentration. Annual industry wages averaged $117,206, 73 percent higher than Ohio's private sector average. Ohio also has a substantial bioscience research and innovation base. Universities conducted $2.4 billion in bioscience-related R&D in FY 2024, and state institutions received $1.0 billion in NIH funding in FY 2025. Bioscience companies attracted $5.7 billion in venture capital investments from 2021 through 2025, while Ohio inventors were affiliated with 7,021 bioscience-related patents.

BIOSCIENCE PERFORMANCE METRICS

Summary of State Performance in Selected Bioscience-related Metrics

METRIC		Ohio	United States	Quintile
Bioscience Industry, 2025	Bioscience Industry Employment	66,197	2,312,617	II
	Bioscience Industry Location Quotient	0.80	n/a	III
	Bioscience Industry Establishments	5,172	156,463	I
Academic Bioscience R&D Expenditures, FY 2024	Bioscience R&D ($ thousands)	$2,428,313	$68,902,940	I
	Bioscience Share of Total R&D	69%	63%	II
	Bioscience R&D Per Capita	$205	$203	II
NIH Funding, FY 2025	Funding ($ thousands)	$1,011,627	$36,741,235	I
	Funding Per Capita	$85	$107	III
Bioscience Venture Capital, 2021-25	Investments ($ millions)	$5,711.80	$297,644	II
Bioscience-Related Patents, 2021-25	Total Patents	7,021	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.

Ohio

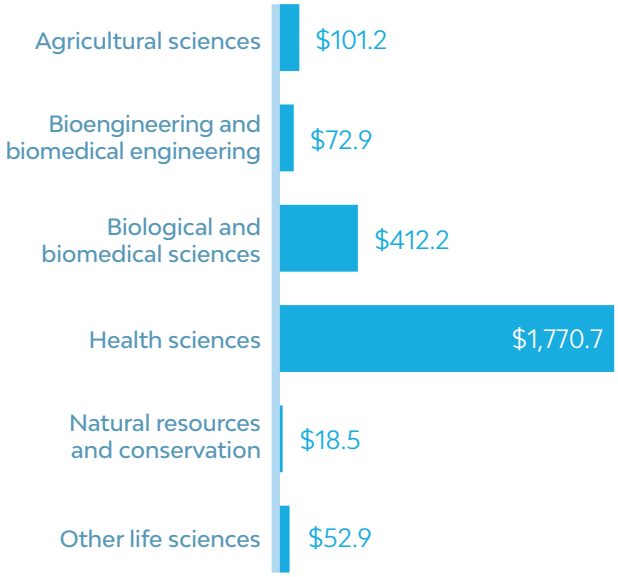
INDUSTRY SUBSECTOR		Ohio 2025	Ohio 2021–2025 Change	United States 2025	United States 2021–2025 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	56	19.7%	2,158	10.7%
	Employment	2,713	-3.4%	71,331	2.2%
	Location Quotient	1.06		n/a	
	Average Annual Wage	$109,260	-10.0%	$105,506	14.7%
Bioscience-Related Distribution	Establishments	2,943	13.5%	68,949	10.0%
	Employment	27,931	7.2%	667,651	10.7%
	Location Quotient	1.17		n/a	
	Average Annual Wage	$138,485	23.9%	$144,792	19.0%
Medical Devices and Equipment	Establishments	336	32.5%	13,595	24.6%
	Employment	10,804	6.0%	430,363	1.9%
	Location Quotient	0.70		n/a	
	Average Annual Wage	$83,565	22.7%	$110,757	13.9%
Pharmaceuticals	Establishments	133	54.0%	7,880	31.0%
	Employment	7,365	19.4%	363,904	5.4%
	Location Quotient	0.56		n/a	
	Average Annual Wage	$100,737	8.9%	$146,506	16.3%
Research, Testing, and Medical Laboratories	Establishments	1,704	27.3%	63,881	37.0%
	Employment	17,383	15.6%	779,368	8.1%
	Location Quotient	0.62		n/a	
	Average Annual Wage	$112,141	23.5%	$167,555	13.7%
Total Bioscience Industry	Establishments	5,172	19.7%	156,463	22.1%
	Employment	66,197	9.9%	2,312,617	7.0%
	Location Quotient	0.80		n/a	
	Average Annual Wage	$117,206	20.0%	$145,188	16.0%
Total Private Sector	Establishments	332,510	10.6%	11,985,043	12.5%
	Employment	4,795,848	5.5%	133,872,972	8.5%
	Location Quotient	1.00		n/a	
	Average Annual Wage	$67,920	17.2%	$78,863	16.3%

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

BIOSCIENCE RESEARCH IN OHIO

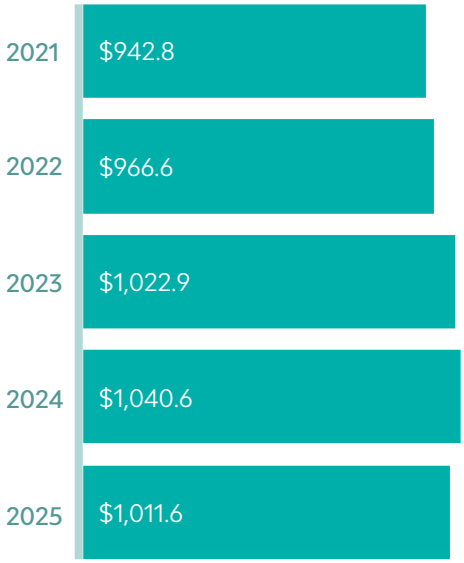
Bioscience Academic R&D Expenditures

$ Millions, FY 2024



NIH Awards

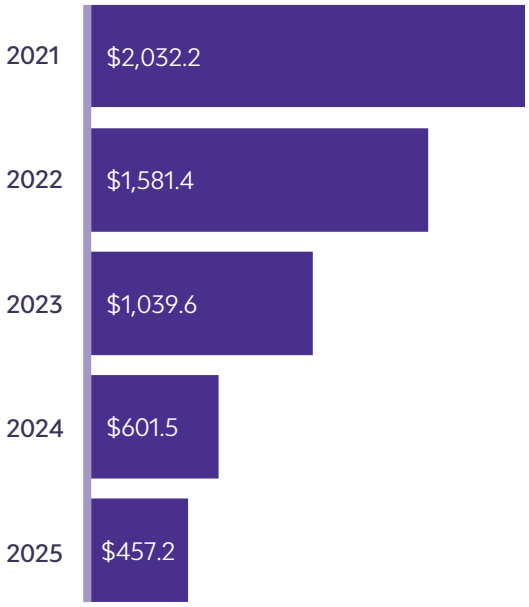
$ Millions, FY 2021-2025



BIOSCIENCE VENTURE CAPITAL IN OHIO

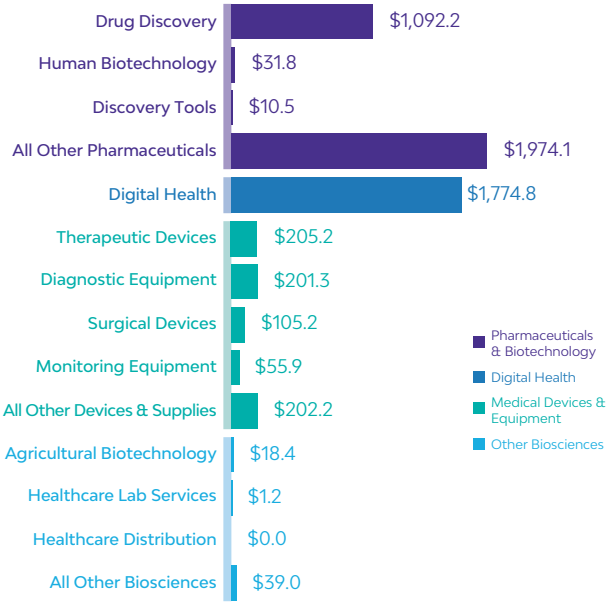
Bioscience-Related Venture Capital Investments

$ Millions, 2021-2025



Bioscience-Related Venture Capital Investments by Segment

$ Millions, 2021-2025

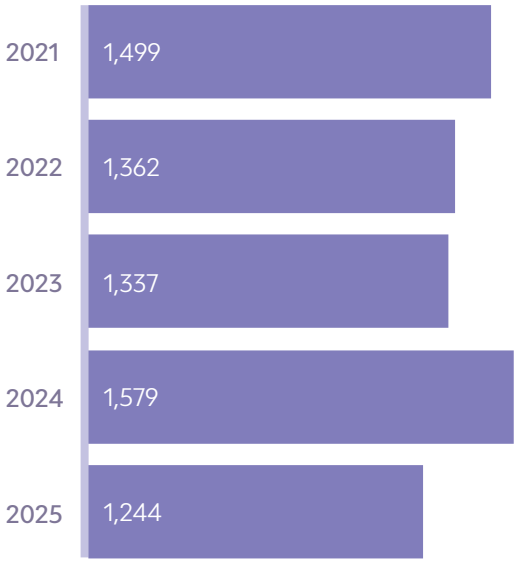


Ohio

BIOSCIENCE PATENTS IN OHIO

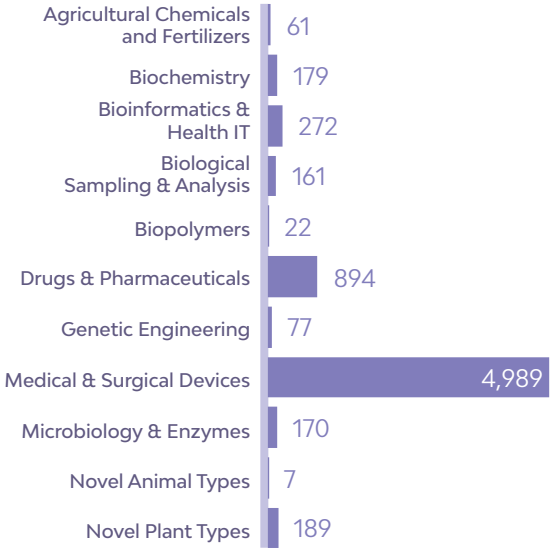
Bioscience-Related U.S. Patents

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