Michigan



The U.S. Bioscience Economy:

Advancing Innovation and Strengthening States and Regions

Michigan's bioscience industry has grown by 11.2 percent since 2021, with employment gains across all five major subsectors. The industry reached 49,414 jobs across 3,730 business establishments in 2025. This exceeded national employment growth of 7.0 percent. Four of the state's five major subsectors recorded double-digit job gains. Annual bioscience wages averaged $118,530, 67 percent higher than Michigan's private sector average. The state remains among the top quintile in bioscience-related academic R&D expenditures, with universities conducting nearly $2.1 billion in research in FY 2024. Michigan institutions received $1.0 billion in NIH funding in FY 2025. Bioscience companies attracted $1.2 billion in venture capital investments from 2021 through 2025, and state inventors were affiliated with 3,327 bioscience-related patents.

BIOSCIENCE PERFORMANCE METRICS

Summary of State Performance in Selected Bioscience-related Metrics

METRIC		Michigan	United States	Quintile
Bioscience Industry, 2025	Bioscience Industry Employment	49,414	2,312,617	II
	Bioscience Industry Location Quotient	0.75	n/a	III
	Bioscience Industry Establishments	3,730	156,463	II
Academic Bioscience R&D Expenditures, FY 2024	Bioscience R&D ($ thousands)	$2,072,210	$68,902,940	I
	Bioscience Share of Total R&D	59%	63%	III
	Bioscience R&D Per Capita	$205	$203	II
NIH Funding, FY 2025	Funding ($ thousands)	$1,002,945	$36,741,235	II
	Funding Per Capita	$99	$107	II
Bioscience Venture Capital, 2021-25	Investments ($ millions)	$1,212.72	$297,644	III
Bioscience-Related Patents, 2021-25	Total Patents	3,327	138,607	II

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.

Michigan

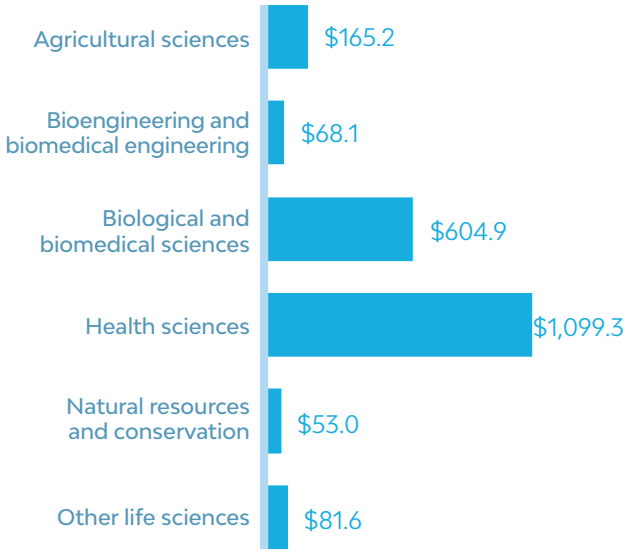
INDUSTRY SUBSECTOR		Michigan 2025	Michigan 2021–2025 Change	United States 2025	United States 2021–2025 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	76	55.6%	2,158	10.7%
	Employment	794	39.8%	71,331	2.2%
	Location Quotient	0.39		n/a	
	Average Annual Wage	$94,113	14.2%	$105,506	14.7%
Bioscience-Related Distribution	Establishments	1,200	18.1%	68,949	10.0%
	Employment	15,064	10.7%	667,651	10.7%
	Location Quotient	0.79		n/a	
	Average Annual Wage	$133,527	18.6%	$144,792	19.0%
Medical Devices and Equipment	Establishments	725	49.5%	13,595	24.6%
	Employment	13,120	8.8%	430,363	1.9%
	Location Quotient	1.07		n/a	
	Average Annual Wage	$107,866	13.8%	$110,757	13.9%
Pharmaceuticals	Establishments	351	88.0%	7,880	31.0%
	Employment	11,060	11.1%	363,904	5.4%
	Location Quotient	1.07		n/a	
	Average Annual Wage	$111,249	17.9%	$146,506	16.3%
Research, Testing, and Medical Laboratories	Establishments	1,378	86.4%	63,881	37.0%
	Employment	9,375	13.7%	779,368	8.1%
	Location Quotient	0.42		n/a	
	Average Annual Wage	$120,017	17.5%	$167,555	13.7%
Total Bioscience Industry	Establishments	3,730	50.6%	156,463	22.1%
	Employment	49,414	11.2%	2,312,617	7.0%
	Location Quotient	0.75		n/a	
	Average Annual Wage	$118,530	17.0%	$145,188	16.0%
Total Private Sector	Establishments	307,118	15.9%	11,985,043	12.5%
	Employment	3,819,076	6.2%	133,872,972	8.5%
	Location Quotient	1.00		n/a	
	Average Annual Wage	$70,847	14.7%	$78,863	16.3%

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

BIOSCIENCE RESEARCH IN MICHIGAN

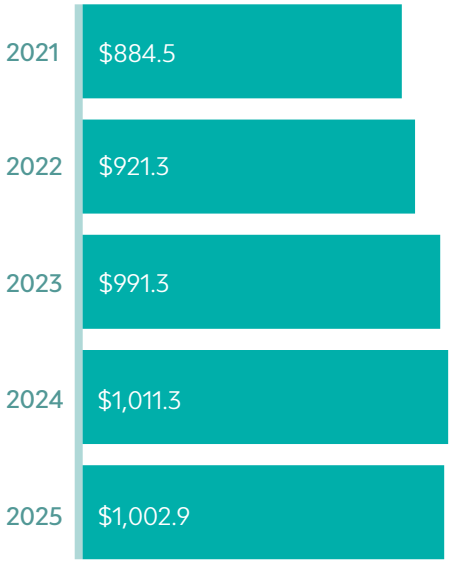
Bioscience Academic R&D Expenditures

$ Millions, FY 2024



NIH Awards

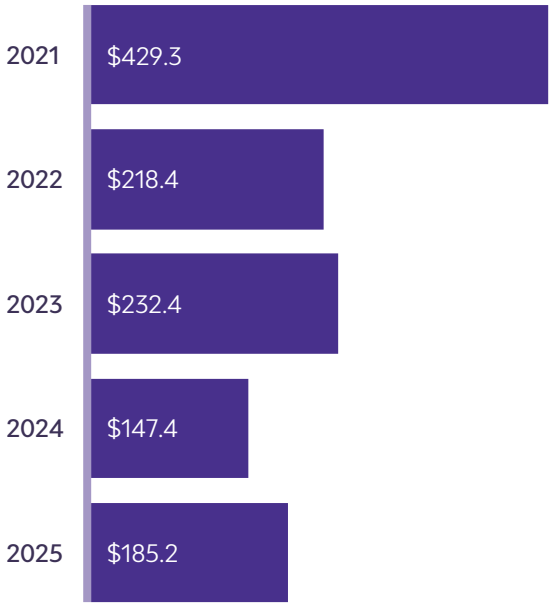
$ Millions, FY 2021-2025



BIOSCIENCE VENTURE CAPITAL IN MICHIGAN

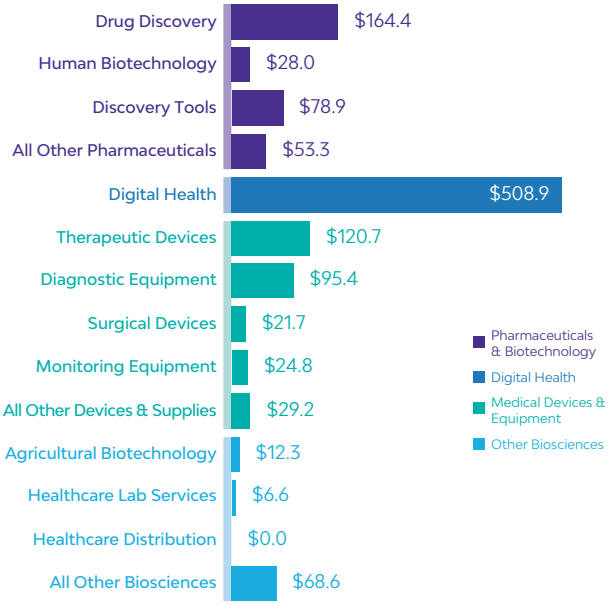
Bioscience-Related Venture Capital Investments

$ Millions, 2021-2025



Bioscience-Related Venture Capital Investments by Segment

$ Millions, 2021-2025

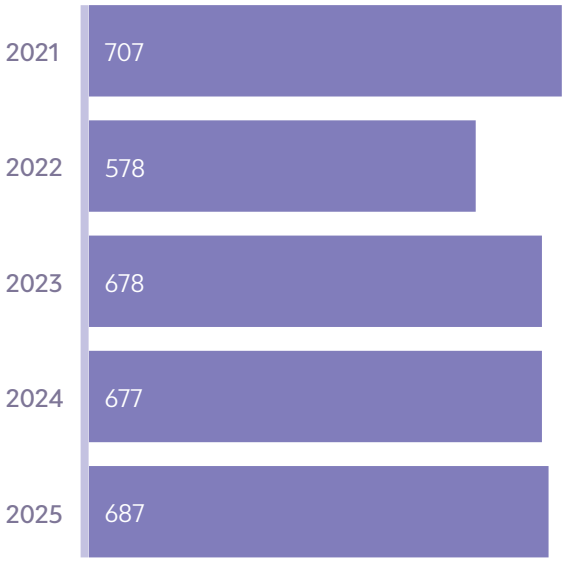


Michigan

BIOSCIENCE PATENTS IN MICHIGAN

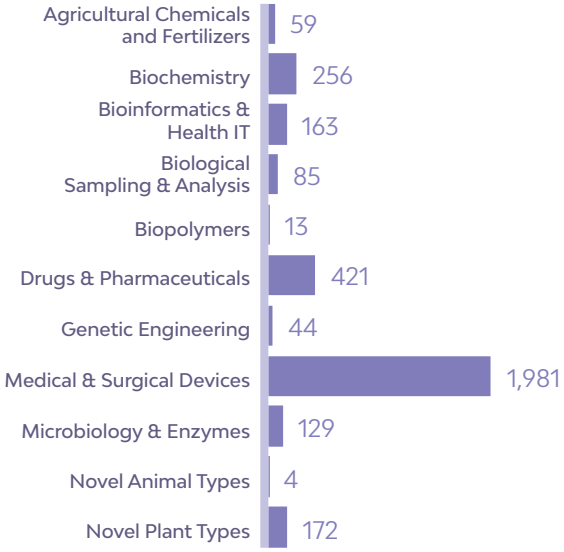
Bioscience-Related U.S. Patents

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