Oklahoma



The U.S. Bioscience Economy:

Advancing Innovation and Strengthening States and Regions

Oklahoma's bioscience industry is growing, with employment gains in most major subsectors. In 2025, bioscience employment totaled 11,407 jobs across 1,670 state business establishments. Overall employment increased by 8.3 percent from 2021 through 2025, ahead of the national rate. Oklahoma's bioscience industry retains a specialized agricultural bioscience employment base while continuing to add jobs across most major subsectors. The agricultural feedstock and industrial biosciences subsector has an employment concentration 58 percent above the national average. Bioscience-related distribution, the state's largest subsector, grew by 16.0 percent. Annual bioscience wages averaged $104,407, 72 percent higher than Oklahoma's private sector average. State universities conducted $333.8 million in bioscience-related R&D in FY 2024, while institutions received $165.7 million in NIH funding in FY 2025.

BIOSCIENCE PERFORMANCE METRICS

Summary of State Performance in Selected Bioscience-related Metrics

METRIC		Oklahoma	United States	Quintile
Bioscience Industry, 2025	Bioscience Industry Employment	11,407	2,312,617	IV
	Bioscience Industry Location Quotient	0.48	n/a	V
	Bioscience Industry Establishments	1,670	156,463	IV
Academic Bioscience R&D Expenditures, FY 2024	Bioscience R&D ($ thousands)	$333,825	$68,902,940	IV
	Bioscience Share of Total R&D	49%	63%	IV
	Bioscience R&D Per Capita	$81	$203	V
NIH Funding, FY 2025	Funding ($ thousands)	$165,727	$36,741,235	IV
	Funding Per Capita	$40	$107	IV
Bioscience Venture Capital, 2021-25	Investments ($ millions)	$241.97	$297,644	IV
Bioscience-Related Patents, 2021-25	Total Patents	410	138,607	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.

Oklahoma

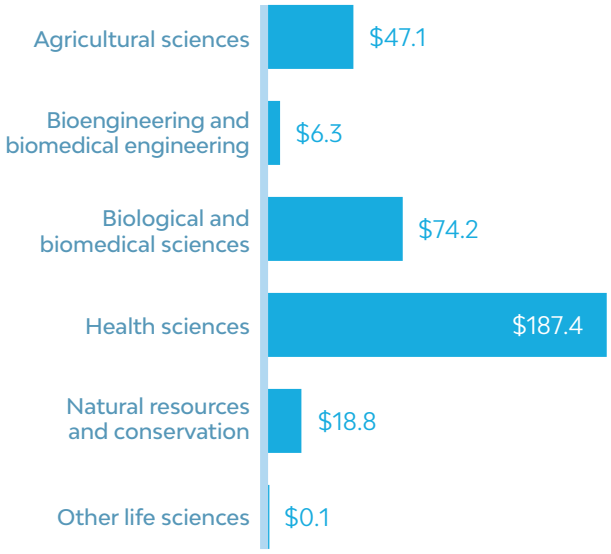
INDUSTRY SUBSECTOR		Oklahoma 2025	Oklahoma 2021–2025 Change	United States 2025	United States 2021–2025 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	15	11.3%	2,158	10.7%
	Employment	1,147	4.2%	71,331	2.2%
	Location Quotient	1.58		n/a	
	Average Annual Wage	$116,575	14.0%	$105,506	14.7%
Bioscience-Related Distribution	Establishments	949	23.0%	68,949	10.0%
	Employment	4,704	16.0%	667,651	10.7%
	Location Quotient	0.69		n/a	
	Average Annual Wage	$126,699	21.8%	$144,792	19.0%
Medical Devices and Equipment	Establishments	58	-9.8%	13,595	24.6%
	Employment	1,052	6.7%	430,363	1.9%
	Location Quotient	0.24		n/a	
	Average Annual Wage	$110,004	22.8%	$110,757	13.9%
Pharmaceuticals	Establishments	59	62.5%	7,880	31.0%
	Employment	846	-3.2%	363,904	5.4%
	Location Quotient	0.23		n/a	
	Average Annual Wage	$86,301	-7.6%	$146,506	16.3%
Research, Testing, and Medical Laboratories	Establishments	590	48.0%	63,881	37.0%
	Employment	3,658	4.1%	779,368	8.1%
	Location Quotient	0.46		n/a	
	Average Annual Wage	$74,508	10.5%	$167,555	13.7%
Total Bioscience Industry	Establishments	1,670	30.1%	156,463	22.1%
	Employment	11,407	8.3%	2,312,617	7.0%
	Location Quotient	0.48		n/a	
	Average Annual Wage	$104,407	16.8%	$145,188	16.0%
Total Private Sector	Establishments	123,117	12.0%	11,985,043	12.5%
	Employment	1,362,424	8.5%	133,872,972	8.5%
	Location Quotient	1.00		n/a	
	Average Annual Wage	$60,825	19.6%	$78,863	16.3%

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

BIOSCIENCE RESEARCH IN OKLAHOMA

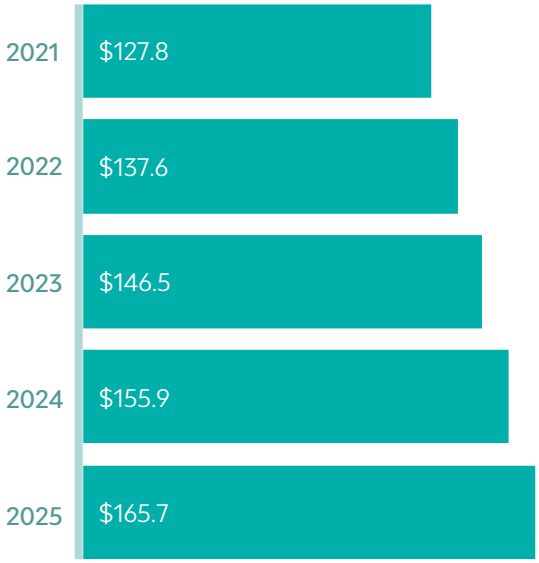
Bioscience Academic R&D Expenditures

$ Millions, FY 2024



NIH Awards

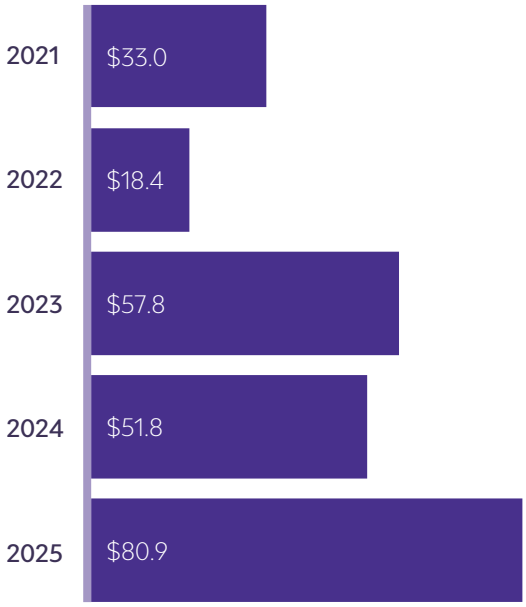
$ Millions, FY 2021-2025



BIOSCIENCE VENTURE CAPITAL IN OKLAHOMA

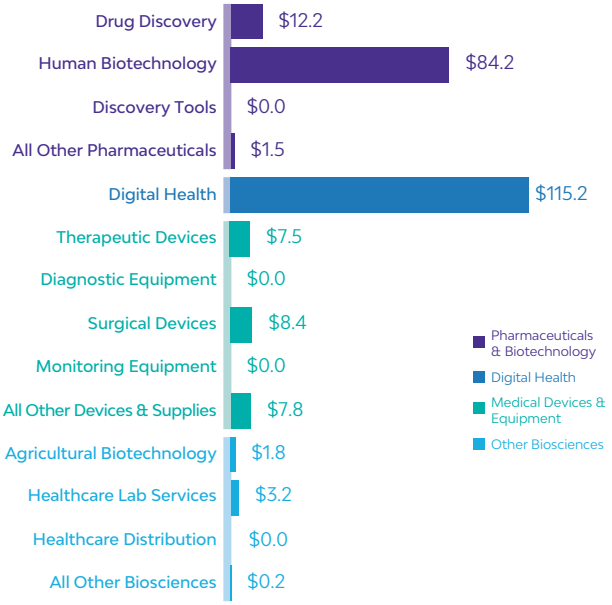
Bioscience-Related Venture Capital Investments

$ Millions, 2021-2025



Bioscience-Related Venture Capital Investments by Segment

$ Millions, 2021-2025

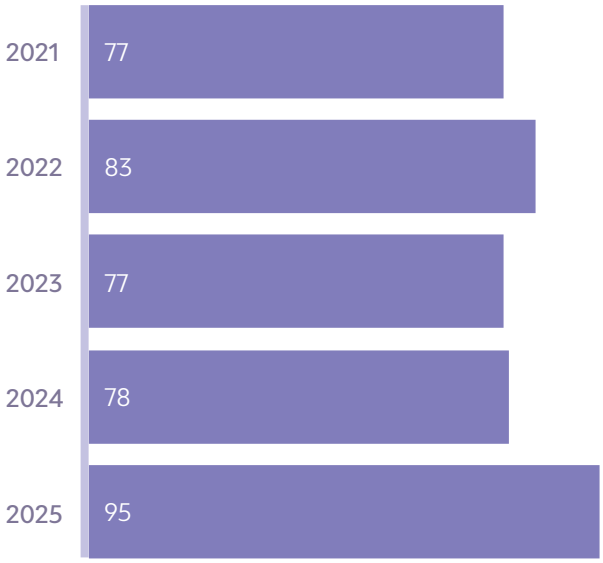


Oklahoma

BIOSCIENCE PATENTS IN OKLAHOMA

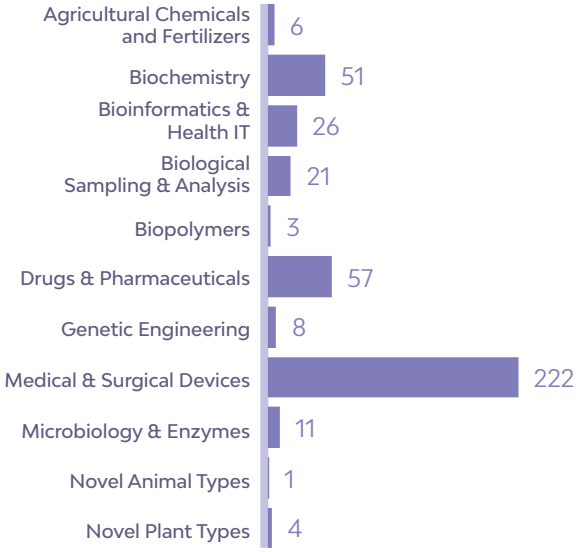
Bioscience-Related U.S. Patents

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