

Arizona

The U.S. Bioscience Economy:

Advancing Innovation and Strengthening States and Regions



Arizona's bioscience employment has increased by 13.4 percent since 2021, nearly twice the national rate. By 2025, industry employment reached 41,519 jobs across 3,715 business establishments. Four of the industry's five major subsectors contributed to the gains. Pharmaceuticals and bioscience-related distribution each increased employment by more than 20 percent, while research, testing, and medical laboratories grew by 14.1 percent. Bioscience wages averaged \$113,871, 56 percent higher than the state's private sector average. Bioscience-related R&D expenditures at Arizona universities totaled \$825.7 million in FY 2024, and state institutions received \$397.7 million in NIH funding in FY 2025. Bioscience companies attracted nearly \$1.5 billion in venture capital investments from 2021 through 2025, and Arizona inventors were affiliated with 3,002 bioscience-related patents during that five-year period.

BIOSCIENCE PERFORMANCE METRICS

Summary of State Performance in Selected Bioscience-related Metrics

METRIC		Arizona	United States	Quintile
Bioscience Industry, 2025	Bioscience Industry Employment	41,519	2,312,617	II
	Bioscience Industry Location Quotient	0.85	n/a	III
	Bioscience Industry Establishments	3,715	156,463	II
Academic Bioscience R&D Expenditures, FY 2024	Bioscience R&D (\$ thousands)	\$825,660	\$68,902,940	III
	Bioscience Share of Total R&D	44%	63%	V
	Bioscience R&D Per Capita	\$109	\$203	IV
NIH Funding, FY 2025	Funding (\$ thousands)	\$397,693	\$36,741,235	III
	Funding Per Capita	\$52	\$107	IV
Bioscience Venture Capital, 2021-25	Investments (\$ millions)	\$1,493.36	\$297,644	II
Bioscience-Related Patents, 2021-25	Total Patents	3,002	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.

Arizona

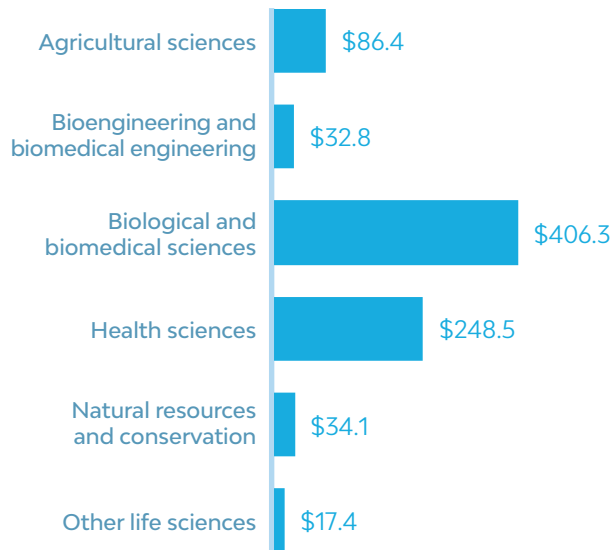
INDUSTRY SUBSECTOR		Arizona		United States	
		2025	2021–2025 Change	2025	2021–2025 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	19	13.2%	2,158	10.7%
	Employment	311	-54.9%	71,331	2.2%
	Location Quotient	0.21		n/a	
	Average Annual Wage	\$70,713	21.8%	\$105,506	14.7%
Bioscience-Related Distribution	Establishments	2,045	10.0%	68,949	10.0%
	Employment	14,429	20.9%	667,651	10.7%
	Location Quotient	1.02		n/a	
	Average Annual Wage	\$145,994	10.1%	\$144,792	19.0%
Medical Devices and Equipment	Establishments	271	50.1%	13,595	24.6%
	Employment	10,124	5.0%	430,363	1.9%
	Location Quotient	1.11		n/a	
	Average Annual Wage	\$104,791	11.4%	\$110,757	13.9%
Pharmaceuticals	Establishments	132	29.2%	7,880	31.0%
	Employment	4,982	21.4%	363,904	5.4%
	Location Quotient	0.65		n/a	
	Average Annual Wage	\$75,421	10.4%	\$146,506	16.3%
Research, Testing, and Medical Laboratories	Establishments	1,249	63.2%	63,881	37.0%
	Employment	11,674	14.1%	779,368	8.1%
	Location Quotient	0.71		n/a	
	Average Annual Wage	\$99,599	22.6%	\$167,555	13.7%
Total Bioscience Industry	Establishments	3,715	27.1%	156,463	22.1%
	Employment	41,519	13.4%	2,312,617	7.0%
	Location Quotient	0.85		n/a	
	Average Annual Wage	\$113,871	14.5%	\$145,188	16.0%
Total Private Sector	Establishments	223,604	23.2%	11,985,043	12.5%
	Employment	2,825,206	10.6%	133,872,972	8.5%
	Location Quotient	1.00		n/a	
	Average Annual Wage	\$72,784	18.0%	\$78,863	16.3%

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

BIOSCIENCE RESEARCH IN ARIZONA

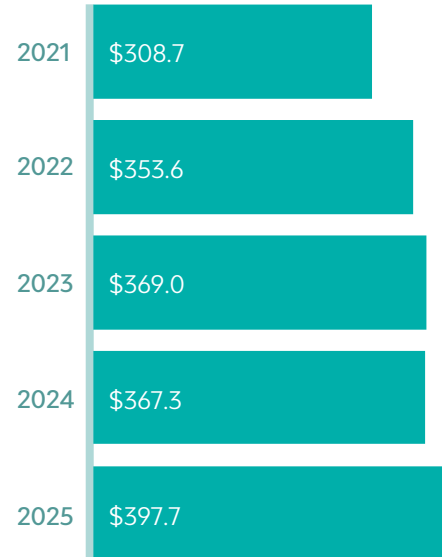
Bioscience Academic R&D Expenditures

\$ Millions, FY 2024



NIH Awards

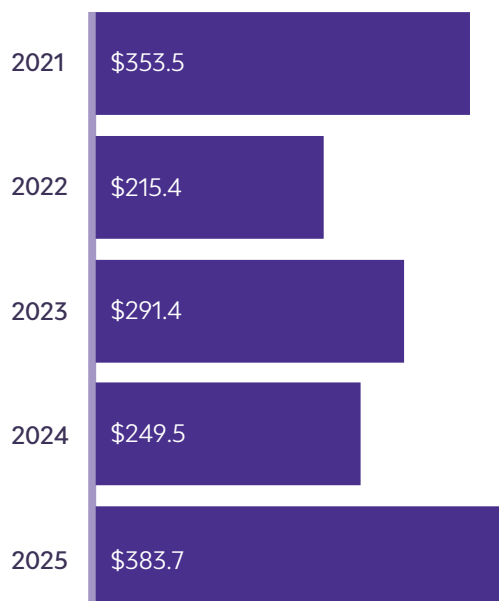
\$ Millions, FY 2021-2025



BIOSCIENCE VENTURE CAPITAL IN ARIZONA

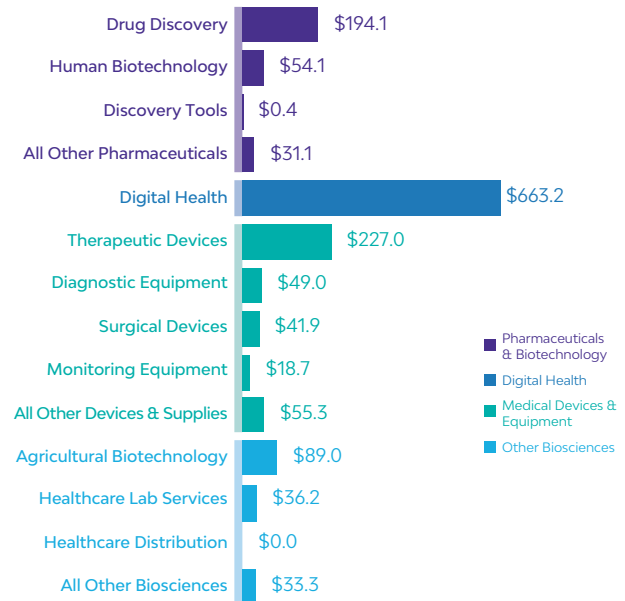
Bioscience-Related Venture Capital Investments

\$ Millions, 2021-2025



Bioscience-Related Venture Capital Investments by Segment

\$ Millions, 2021-2025

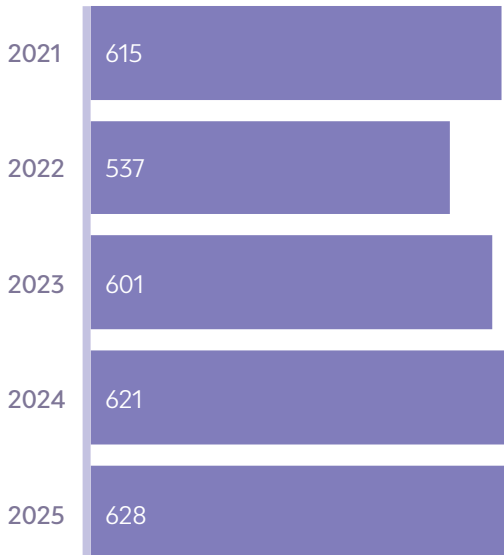


Arizona

BIOSCIENCE PATENTS IN ARIZONA

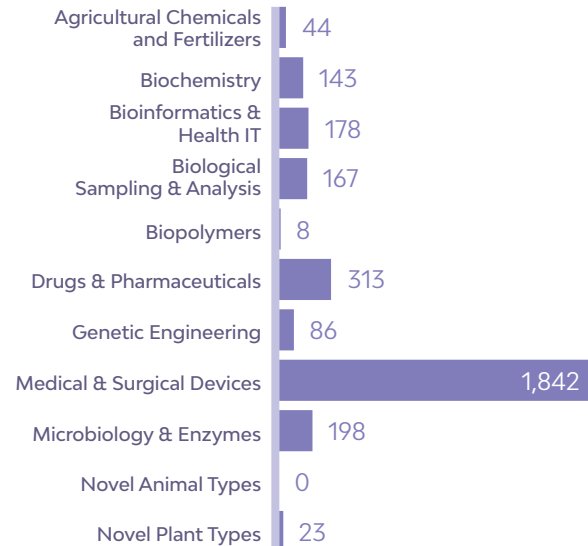
Bioscience-Related U.S. Patents

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.