

Nebraska

The U.S. Bioscience Economy:

Driving Economic Growth and Opportunity in States and Regions



Nebraska’s bioscience industry is specialized in its employment concentration and diverse in its strengths. The industry employed 18,855 in 2023 across 1,473 state business establishments, following a 6.3 percent increase in employment since 2019. The state has specialized employment concentrations in three of its bioscience industry subsectors— agricultural feedstock and industrial biosciences (location quotient is 6.22), bioscience-related distribution (location quotient is 1.81), and medical devices and equipment (location quotient is 1.52). Nebraska’s average bioscience wage reached \$89,097—50 percent higher than the state’s private sector average. Bioscience-related academic R&D spending in the state totaled \$434.8 million in 2022, with Nebraska ranking among the top quintile of states when adjusting for population size. Additionally, state institutions received nearly \$151 million in NIH funding in 2023, and an increase in funding of 19 percent since 2019.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metric	Nebraska	United States	Quintile
Bioscience Industry, 2023			
Bioscience Industry Employment	18,855	2,287,268	III
Bioscience Industry Location Quotient	1.29	n/a	I
Bioscience Industry Establishments	1,473	149,744	IV
Academic Bioscience R&D Expenditures, FY 2022			
Bioscience R&D (\$ thousands)	\$434,782	\$58,224,514	III
Bioscience Share of Total R&D	75%	63%	I
Bioscience R&D Per Capita	\$221	\$175	I
NIH Funding, FY 2023			
Funding (\$ thousands)	\$150,950	\$38,017,143	IV
Funding Per Capita	\$76	\$114	III
Bioscience Venture Capital Investments, 2019-23 (\$ millions)	\$681.32	\$278,893.13	III
Bioscience-Related Patents, 2019-23	460	222,670	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.

Nebraska

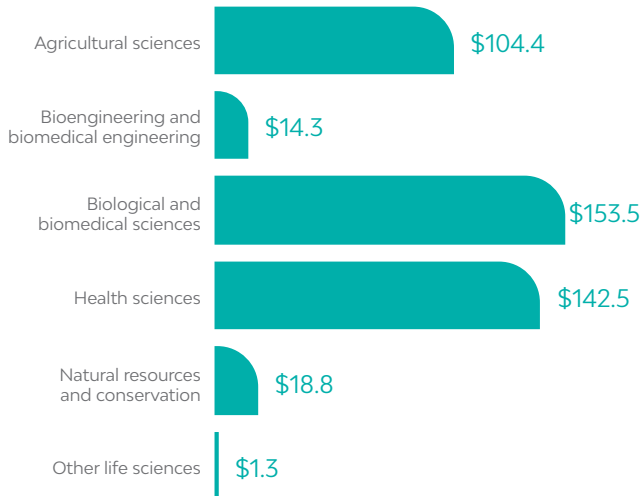
Industry Subsector		Nebraska		United States	
		2023	2019–2023 Change	2023	2019–2023 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	60	13.2%	2,087	14.4%
	Employment	2,848	4.7%	71,510	4.2%
	<i>Location Quotient</i>	6.22		n/a	
	Average Annual Wage	\$86,703	22.0%	\$101,825	21.8%
Bioscience-Related Distribution	Establishments	1,083	2.7%	67,759	17.6%
	Employment	7,546	10.0%	649,328	12.8%
	<i>Location Quotient</i>	1.81		n/a	
	Average Annual Wage	\$102,171	25.0%	\$133,088	21.8%
Medical Devices and Equipment	Establishments	40	23.8%	12,055	32.1%
	Employment	4,041	-13.7%	415,818	6.1%
	<i>Location Quotient</i>	1.52		n/a	
	Average Annual Wage	\$69,381	18.2%	\$101,478	8.3%
Pharmaceuticals	Establishments	32	37.2%	7,420	52.7%
	Employment	2,562	32.3%	360,345	12.7%
	<i>Location Quotient</i>	1.11		n/a	
	Average Annual Wage	\$90,037	14.0%	\$131,562	11.1%
Research, Testing, and Medical Laboratories	Establishments	258	92.6%	60,424	61.4%
	Employment	1,858	21.6%	790,268	23.8%
	<i>Location Quotient</i>	0.37		n/a	
	Average Annual Wage	\$81,246	31.2%	\$151,006	20.4%
Total Bioscience Industry	Establishments	1,473	13.5%	149,744	35.0%
	Employment	18,855	6.3%	2,287,268	14.7%
	<i>Location Quotient</i>	1.29		n/a	
	Average Annual Wage	\$89,097	23.7%	\$132,314	18.2%
Total Private Sector	Establishments	73,396	8.4%	11,657,807	16.8%
	Employment	845,268	2.9%	131,982,899	3.9%
	<i>Location Quotient</i>	1.00		n/a	
	Average Annual Wage	\$59,227	24.7%	\$72,384	22.6%

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

Bioscience Research in Nebraska

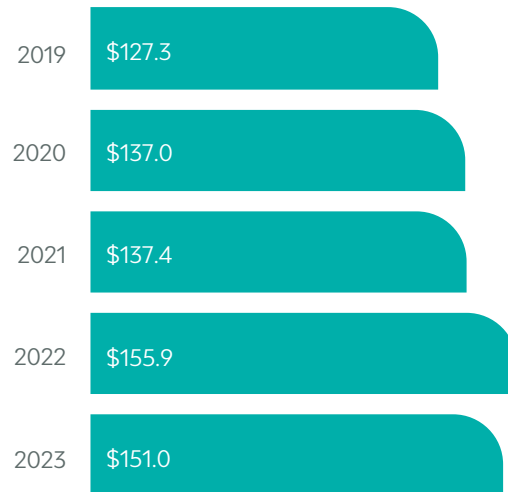
Bioscience Academic R&D Expenditures

\$ Millions, FY 2022



NIH Awards

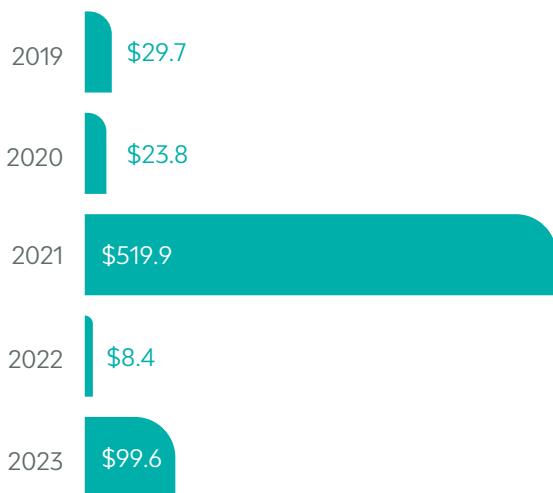
\$ Millions, FY 2019-2023



Bioscience Venture Capital in Nebraska

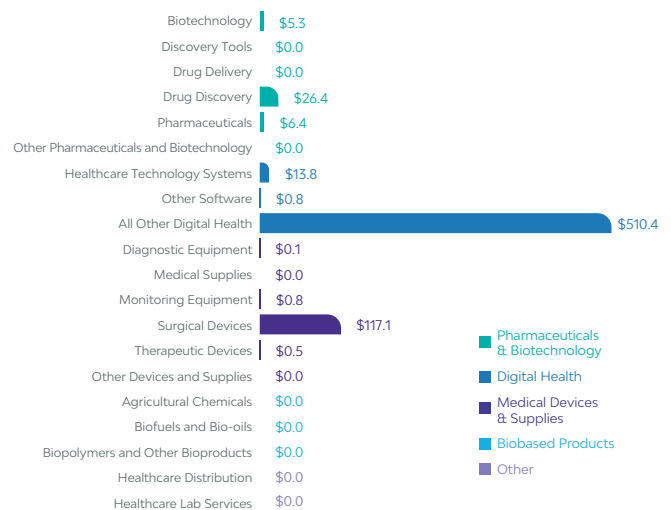
Bioscience-Related Venture Capital Investments

\$ Millions, 2019-2023



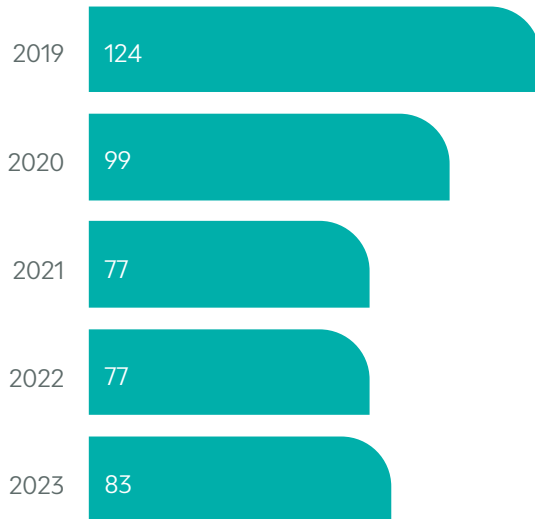
Bioscience-Related Venture Capital Investments by Segment

\$ Millions, 2019-2023

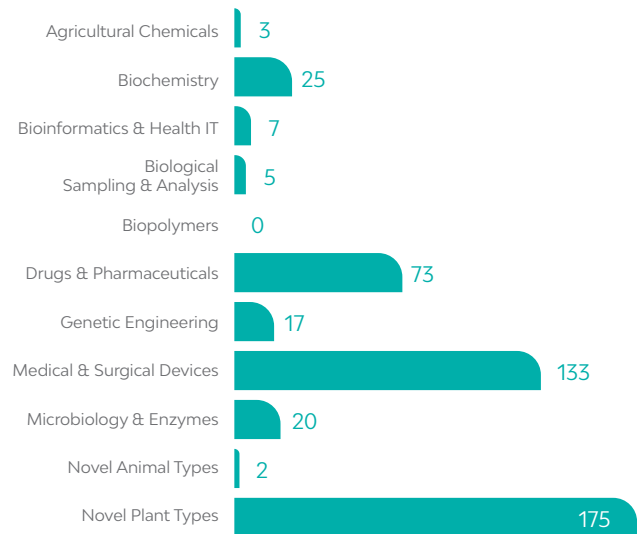


Bioscience Patents in Nebraska

Bioscience-Related U.S. Patents
2019-2023



Bioscience-Related U.S. Patents by Segment
2019-2023



Source Notes

Employment, Establishments and Wages: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), enhanced by Lightcast (Datarun 2024.3).

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

NIH Funding: National Institutes of Health, NIH Awards by Location & Organization (summary information within RePORT database).

Venture Capital: PitchBook Data, Inc.

Patents: U.S. Patent & Trademark Office data from Clarivate Analytics' Derwent Innovation patent analysis database.

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