



Florida

The U.S. Bioscience Industry: Fostering Innovation and Driving America's Economy Forward

Florida's bioscience industry is large and growing, with employment increasing by 11 percent since 2018, matching the national growth rate and reaching nearly 107,000 jobs in 2021. Florida has a strong, nearly specialized employment concentration in bioscience-related distribution that is 19 percent above the national average (location quotient is 1.19). Four of its five major industry subsectors contributed to the overall job gains from 2018 through 2021. State inventors are associated with 5,805 patents awarded from 2018 through 2021 in bioscience-related technology classes, a volume that places Florida in the top tier of U.S. states. VC investments in Florida bioscience companies increased significantly in 2021, just exceeding \$1 billion.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metric	Florida	United States	Quintile
Bioscience Industry, 2021			
Bioscience Industry Employment	106,688	2,135,704	I
Bioscience Industry Location Quotient	0.79	n/a	III
Bioscience Industry Establishments	8,599	127,389	I
Academic Bioscience R&D Expenditures, FY 2020			
Bioscience R&D (\$ thousands)	\$1,415,020	\$51,108,737	II
Bioscience Share of Total R&D	59%	63%	III
Bioscience R&D Per Capita	\$66	\$154	V
NIH Funding, FY 2021			
Funding (\$ thousands)	\$784,910	\$34,751,109	II
Funding Per Capita	\$36	\$105	IV
Bioscience Venture Capital Investments, 2018-21 (\$ millions)			
	\$2,682.62	\$197,674.54	II
Bioscience-Related Patents, 2018-21			
	5,805	153,072	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.

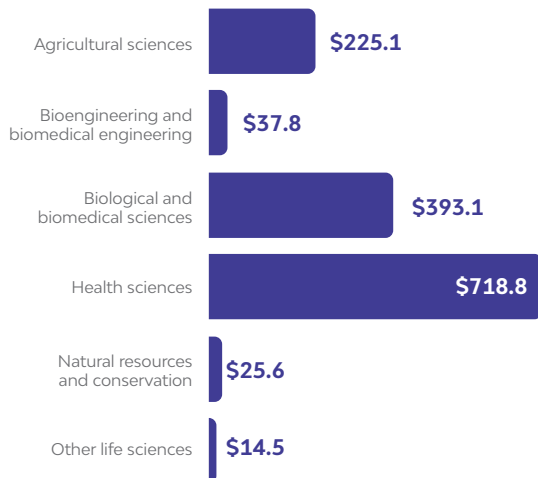
Industry Subsector		Florida		United States	
		2021	2018–2021 Change	2021	2018–2021 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	150	6.6%	1,948	10.0%
	Employment	4,240	-3.9%	69,573	1.9%
	<i>Location Quotient</i>	0.96		n/a	
	Average Annual Wage	\$88,837	10.9%	\$91,989	13.1%
Bioscience-Related Distribution	Establishments	4,279	19.6%	62,697	14.7%
	Employment	45,517	5.2%	602,589	6.6%
	<i>Location Quotient</i>	1.19		n/a	
	Average Annual Wage	\$125,767	16.5%	\$121,606	15.0%
Medical Devices and Equipment	Establishments	834	22.4%	10,268	17.4%
	Employment	17,788	7.8%	398,847	5.5%
	<i>Location Quotient</i>	0.70		n/a	
	Average Annual Wage	\$79,285	11.8%	\$98,481	8.7%
Pharmaceuticals	Establishments	487	38.3%	5,973	34.7%
	Employment	9,954	50.4%	344,839	11.9%
	<i>Location Quotient</i>	0.46		n/a	
	Average Annual Wage	\$79,208	4.1%	\$126,153	10.3%
Research, Testing, and Medical Laboratories	Establishments	2,849	31.1%	46,503	34.5%
	Employment	29,190	15.0%	719,856	19.3%
	<i>Location Quotient</i>	0.64		n/a	
	Average Annual Wage	\$104,401	28.4%	\$147,396	22.0%
Total Bioscience Industry	Establishments	8,599	24.2%	127,389	22.3%
	Employment	106,688	11.0%	2,135,704	11.0%
	<i>Location Quotient</i>	0.79		n/a	
	Average Annual Wage	\$106,360	16.8%	\$125,750	16.4%
Total Private Sector	Establishments	795,957	16.3%	10,665,643	9.3%
	Employment	7,809,870	2.3%	123,376,557	-1.5%
	<i>Location Quotient</i>	1.00		n/a	
	Average Annual Wage	\$60,218	21.7%	\$67,826	18.9%

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

Bioscience Research in Florida

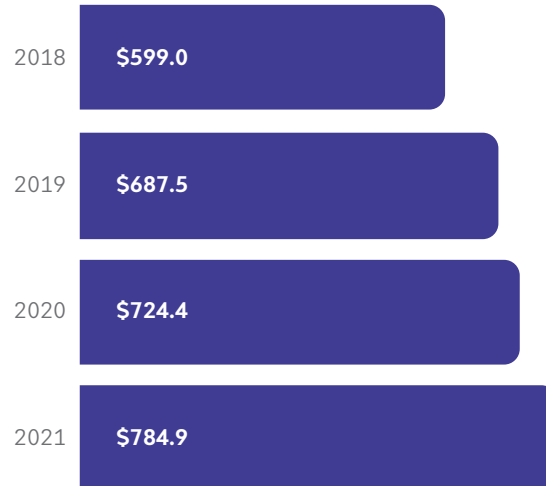
Bioscience Academic R&D Expenditures

\$ Millions, FY 2020



NIH Awards

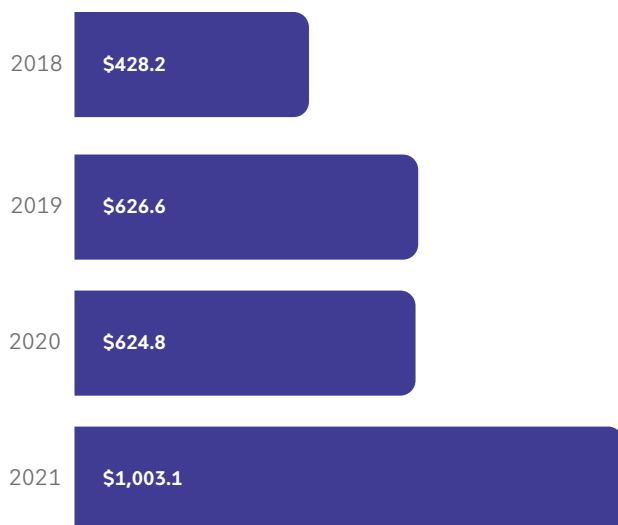
\$ Millions, FY 2018-2021



Bioscience Venture Capital in Florida

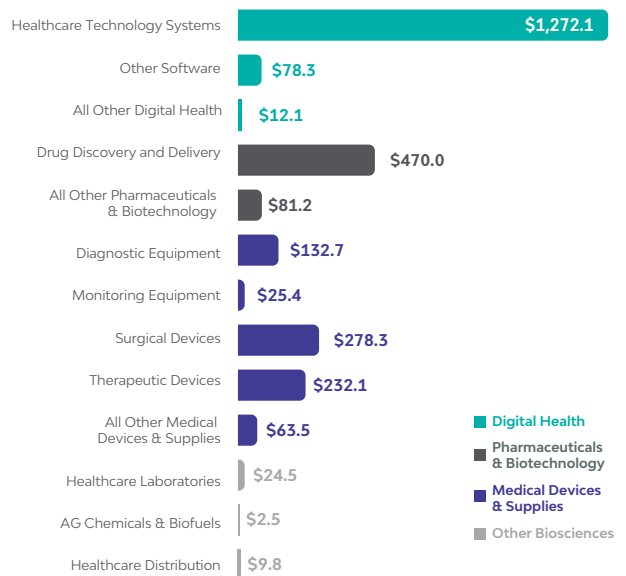
Bioscience-Related Venture Capital Investments

\$ Millions, 2018-2021



Bioscience-Related Venture Capital Investments by Segment

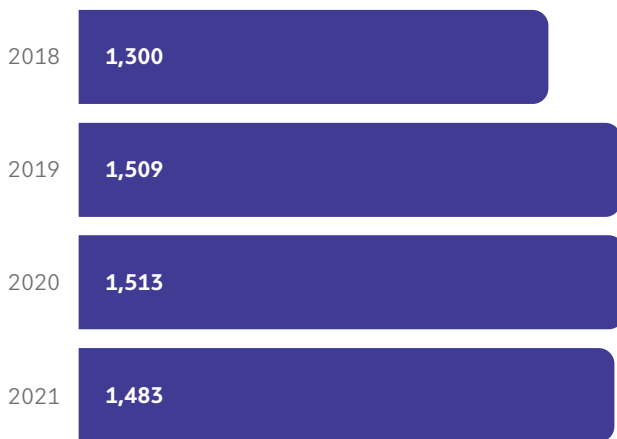
\$ Millions, 2018-2021



Bioscience Patents in Florida

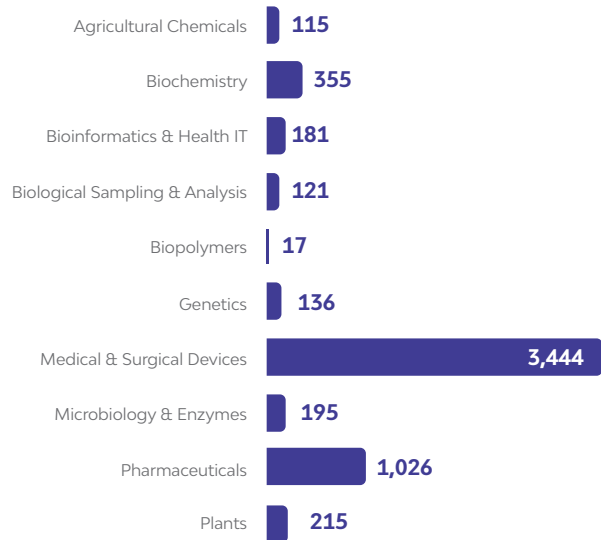
Bioscience-Related U.S. Patents

2018-2021



Bioscience-Related U.S. Patents by Segment

2018-2021



Source Notes

Employment, Establishments and Wages: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), enhanced by Lightcast (Datarun 2022.3).

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.