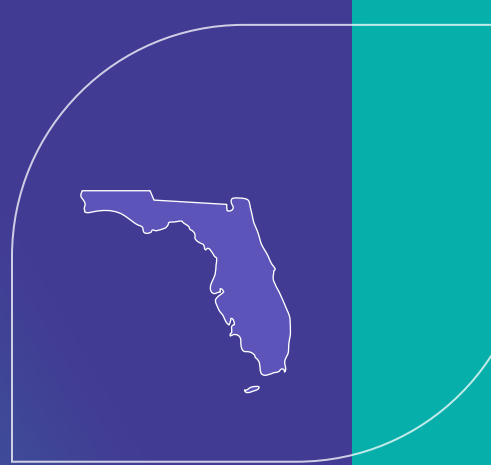


# Florida

## The U.S. Bioscience Economy:

Driving Economic Growth and Opportunity in States and Regions



Florida's bioscience industry is large and outpacing the nation in job growth. The industry employed 116,635 in 2023 across 9,481 state business establishments. This marks an 18.7 percent increase in employment since 2019, driven by double-digit growth in four of the state's five bioscience industry subsectors. Bioscience-related distribution continues to be the state's most concentrated subsector, with a location quotient of 1.16. Florida's average bioscience wage was \$117,472—77 percent higher than the state's private sector average. Academic R&D expenditures at the state's research universities reached a new peak in bioscience-related fields in 2022, with \$1.6 billion in spending. NIH funding to Florida institutions totaled \$915.6 million in 2023, up more than \$200 million since 2019. Additionally, Florida inventors are linked to 8,778 patents from 2019 through 2023, ranking in the top quintile of states.

## Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metric	Florida	United States	Quintile
<b>Bioscience Industry, 2023</b>			
Bioscience Industry Employment	116,635	2,287,268	I
Bioscience Industry Location Quotient	0.78	n/a	III
Bioscience Industry Establishments	9,481	149,744	I
<b>Academic Bioscience R&amp;D Expenditures, FY 2022</b>			
Bioscience R&D (\$ thousands)	\$1,634,898	\$58,224,514	II
Bioscience Share of Total R&D	60%	63%	III
Bioscience R&D Per Capita	\$73	\$175	V
<b>NIH Funding, FY 2023</b>			
Funding (\$ thousands)	\$915,591	\$38,017,143	II
Funding Per Capita	\$40	\$114	IV
Bioscience Venture Capital Investments, 2019-23 (\$ millions)	\$4,287.31	\$278,893.13	II
Bioscience-Related Patents, 2019-23	8,778	222,670	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.

# Florida

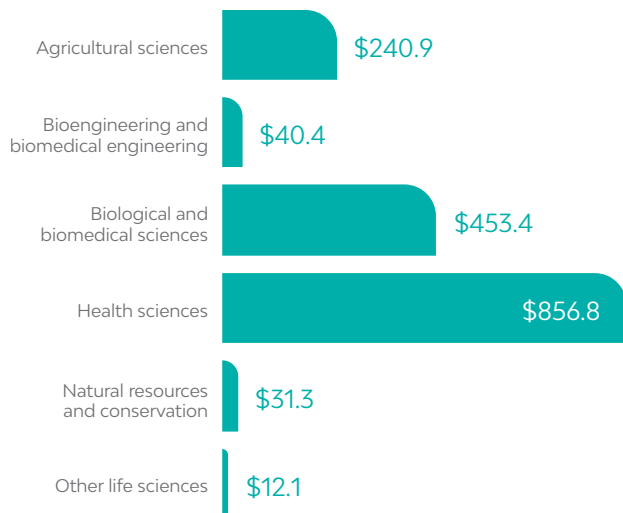
Industry Subsector		Florida		United States	
		2023	2019–2023 Change	2023	2019–2023 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	161	12.8%	2,087	14.4%
	Employment	4,271	-1.4%	71,510	4.2%
	Location Quotient	0.92		n/a	
	Average Annual Wage	\$98,442	18.4%	\$101,825	21.8%
Bioscience-Related Distribution	Establishments	4,221	10.3%	67,759	17.6%
	Employment	49,151	15.2%	649,328	12.8%
	Location Quotient	1.16		n/a	
	Average Annual Wage	\$142,806	26.8%	\$133,088	21.8%
Medical Devices and Equipment	Establishments	1,023	46.3%	12,055	32.1%
	Employment	18,372	9.6%	415,818	6.1%
	Location Quotient	0.68		n/a	
	Average Annual Wage	\$87,975	22.2%	\$101,478	8.3%
Pharmaceuticals	Establishments	632	67.2%	7,420	52.7%
	Employment	11,625	35.9%	360,345	12.7%
	Location Quotient	0.50		n/a	
	Average Annual Wage	\$85,153	-5.9%	\$131,562	11.1%
Research, Testing, and Medical Laboratories	Establishments	3,445	51.2%	60,424	61.4%
	Employment	33,216	28.2%	790,268	23.8%
	Location Quotient	0.65		n/a	
	Average Annual Wage	\$110,059	31.2%	\$151,006	20.4%
Total Bioscience Industry	Establishments	9,481	29.5%	149,744	35.0%
	Employment	116,635	18.7%	2,287,268	14.7%
	Location Quotient	0.78		n/a	
	Average Annual Wage	\$117,472	23.8%	\$132,314	18.2%
Total Private Sector	Establishments	877,414	23.3%	11,657,807	16.8%
	Employment	8,594,577	10.1%	131,982,899	3.9%
	Location Quotient	1.00		n/a	
	Average Annual Wage	\$66,259	29.5%	\$72,384	22.6%

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

## Bioscience Research in Florida

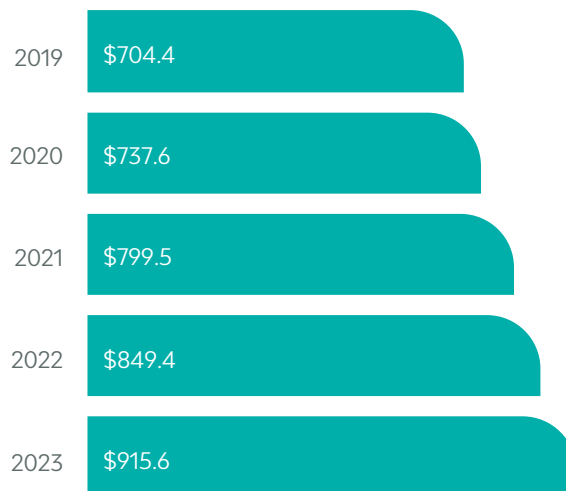
### Bioscience Academic R&D Expenditures

\$ Millions, FY 2022



### NIH Awards

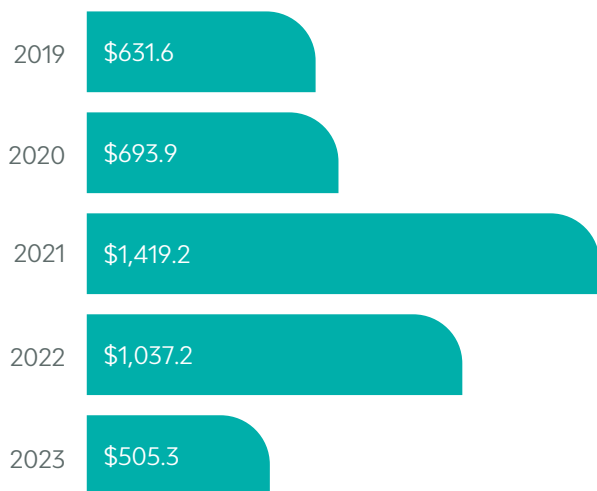
\$ Millions, FY 2019-2023



## Bioscience Venture Capital in Florida

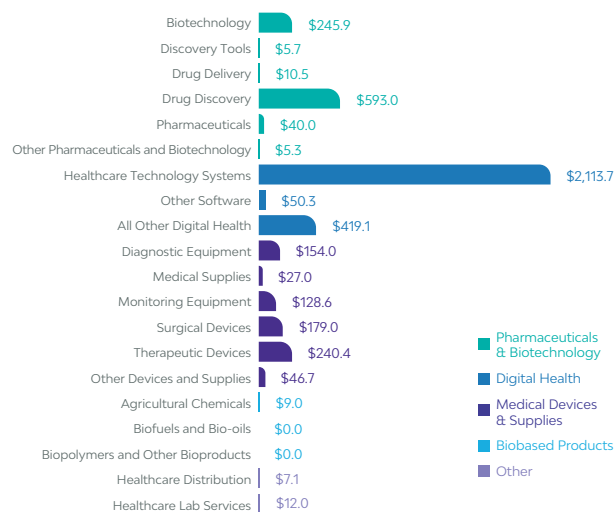
### Bioscience-Related Venture Capital Investments

\$ Millions, 2019-2023



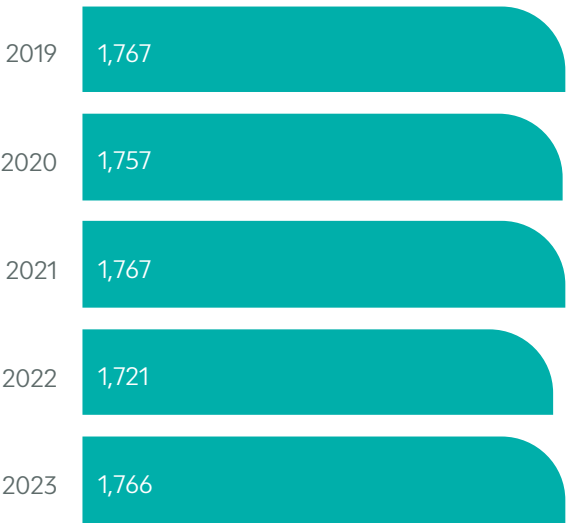
### Bioscience-Related Venture Capital Investments by Segment

\$ Millions, 2019-2023

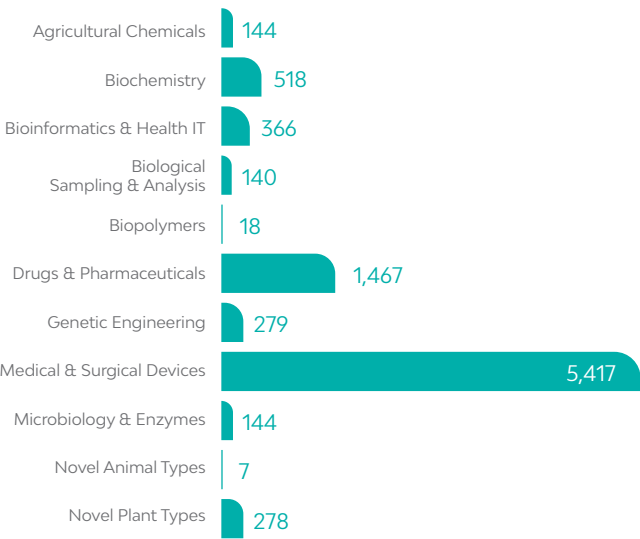


## Bioscience Patents in Florida

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.*