



Nevada

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

Nevada's bioscience industry, while relatively modest in size, has grown at a strong rate in recent years and outpaced national job growth. From 2018 through 2021, the industry grew by 22 percent to reach 9,413 jobs that span 1,069 business establishments across the state. This growth rate was twice that for the national bioscience industry. Job gains were widespread across the industry, with all five of Nevada's major biosciences subsectors contributing to the overall growth. Venture capital investments in state bioscience companies increased significantly in 2021 and totaled nearly \$64 million.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

| Metric | Nevada | United States | Quintile |
|--|-----------|---------------|----------|
| Bioscience Industry, 2021 | | | |
| Bioscience Industry Employment | 9,413 | 2,135,704 | IV |
| Bioscience Industry Location Quotient | 0.45 | n/a | V |
| Bioscience Industry Establishments | 1,069 | 127,389 | IV |
| Academic Bioscience R&D Expenditures, FY 2020 | | | |
| Bioscience R&D (\$ thousands) | \$115,959 | \$51,108,737 | V |
| Bioscience Share of Total R&D | 46% | 63% | V |
| Bioscience R&D Per Capita | \$37 | \$154 | V |
| NIH Funding, FY 2021 | | | |
| Funding (\$ thousands) | \$38,116 | \$34,751,109 | V |
| Funding Per Capita | \$12 | \$105 | V |
| Bioscience Venture Capital Investments, 2018-21 (\$ millions) | | | |
| | \$103.07 | \$197,674.54 | IV |
| Bioscience-Related Patents, 2018-21 | | | |
| | 525 | 153,072 | 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.

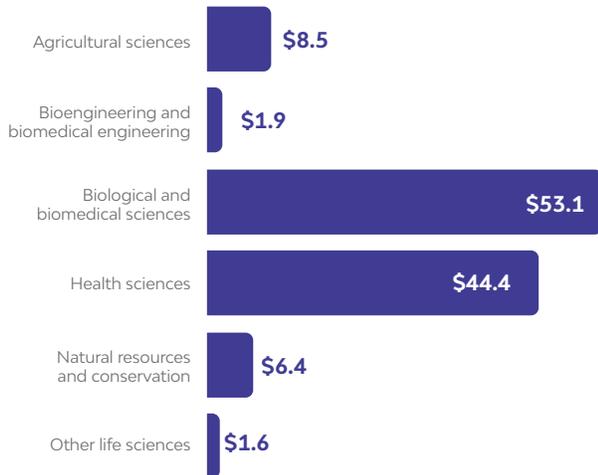
| Industry Subsector | | Nevada | | United States | |
|--|--------------------------|-----------|---------------------|---------------|---------------------|
| | | 2021 | 2018–2021 Change | 2021 | 2018–2021 Change |
| Agricultural Feedstock and Industrial Biosciences | Establishments | 7 | -28.2% | 1,948 | 10.0% |
| | Employment | 49 | 1.3% | 69,573 | 1.9% |
| | <i>Location Quotient</i> | 0.07 | | n/a | |
| | Average Annual Wage | \$48,677 | 7.0% | \$91,989 | 13.1% |
| Bioscience- Related Distribution | Establishments | 597 | 11.2% | 62,697 | 14.7% |
| | Employment | 3,554 | 21.9% | 602,589 | 6.6% |
| | <i>Location Quotient</i> | 0.60 | | n/a | |
| | Average Annual Wage | \$124,412 | -5.7% | \$121,606 | 15.0% |
| Medical Devices and Equipment | Establishments | 47 | 2.7% | 10,268 | 17.4% |
| | Employment | 620 | 39.2% | 398,847 | 5.5% |
| | <i>Location Quotient</i> | 0.16 | | n/a | |
| | Average Annual Wage | \$76,822 | -5.2% | \$98,481 | 8.7% |
| Pharmaceuticals | Establishments | 35 | 11.0% | 5,973 | 34.7% |
| | Employment | 1,183 | 12.9% | 344,839 | 11.9% |
| | <i>Location Quotient</i> | 0.35 | | n/a | |
| | Average Annual Wage | \$55,061 | 10.8% | \$126,153 | 10.3% |
| Research, Testing, and Medical Laboratories | Establishments | 382 | 15.1% | 46,503 | 34.5% |
| | Employment | 4,007 | 24.0% | 719,856 | 19.3% |
| | <i>Location Quotient</i> | 0.57 | | n/a | |
| | Average Annual Wage | \$90,585 | 22.2% | \$147,396 | 22.0% |
| Total Bioscience Industry | Establishments | 1,069 | 11.7% | 127,389 | 22.3% |
| | Employment | 9,413 | 22.4% | 2,135,704 | 11.0% |
| | <i>Location Quotient</i> | 0.45 | | n/a | |
| | Average Annual Wage | \$97,766 | 5.2% | \$125,750 | 16.4% |
| Total Private Sector | Establishments | 92,419 | 16.1% | 10,665,643 | 9.3% |
| | Employment | 1,203,738 | -1.0% | 123,376,557 | -1.5% |
| | <i>Location Quotient</i> | 1.00 | | n/a | |
| | Average Annual Wage | \$58,701 | 20.0% | \$67,826 | 18.9% |

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

Bioscience Research in Nevada

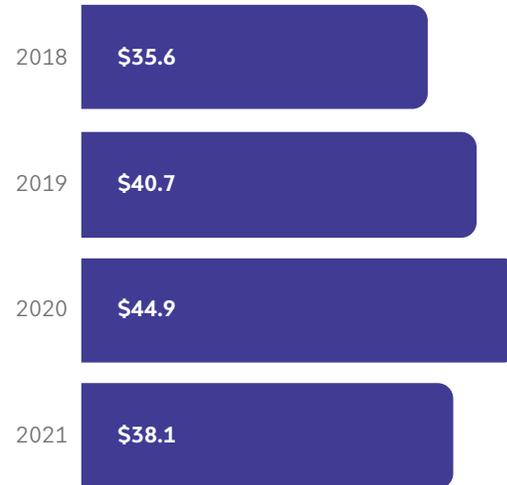
Bioscience Academic R&D Expenditures

\$ Millions, FY 2020



NIH Awards

\$ Millions, FY 2018-2021



Bioscience Venture Capital in Nevada

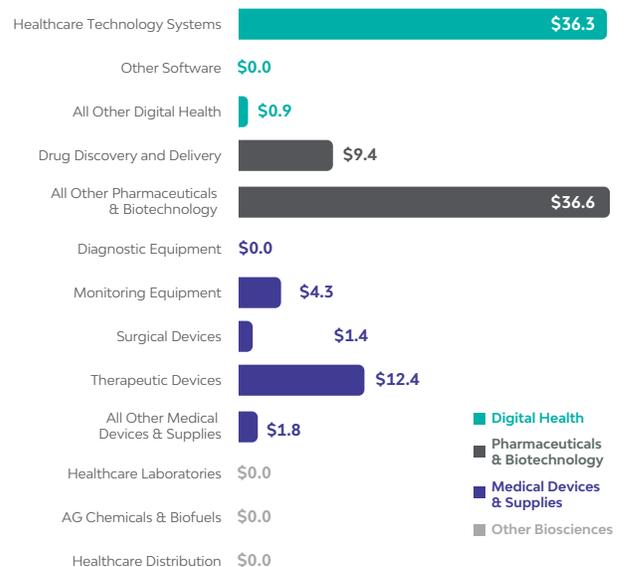
Bioscience-Related Venture Capital Investments

\$ Millions, 2018-2021



Bioscience-Related Venture Capital Investments by Segment

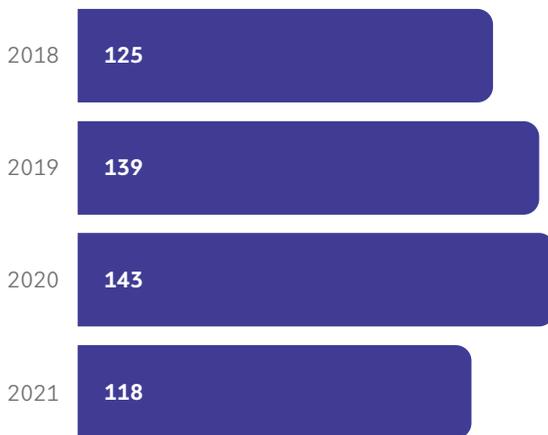
\$ Millions, 2018-2021



Bioscience Patents in Nevada

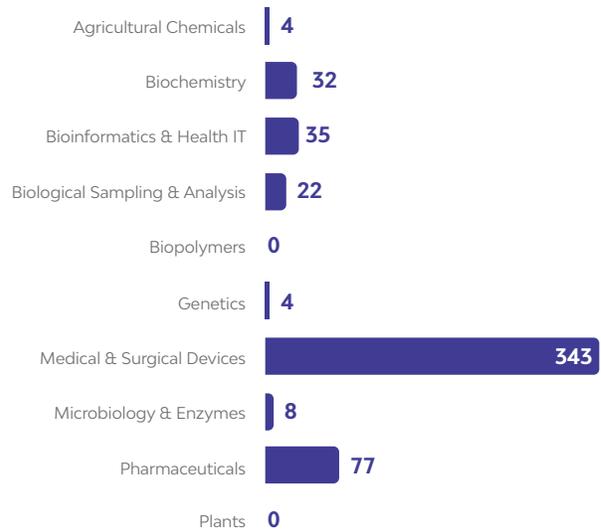
Bioscience-Related U.S. Patents

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.