New Jersey



New Jersey's bioscience industry is a national leader in its size and diverse concentrations. State bioscience companies employed just over 86,000 in 2012 across 2,498 business establishments. New Jersey's economy is 86 percent more concentrated in the biosciences than the national average (location quotient is 1.86) and this high degree of specialization spans four of the five major industry subsectors—drugs and pharmaceuticals; research, testing, and medical labs; bioscience-related distribution; and medical devices. This distinction is shared only with one other U.S. territory, Puerto Rico, and no other states. The state is among the top tier in key measures of innovation and risk capital in terms of patents issued and venture capital investments in bioscience-related companies.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

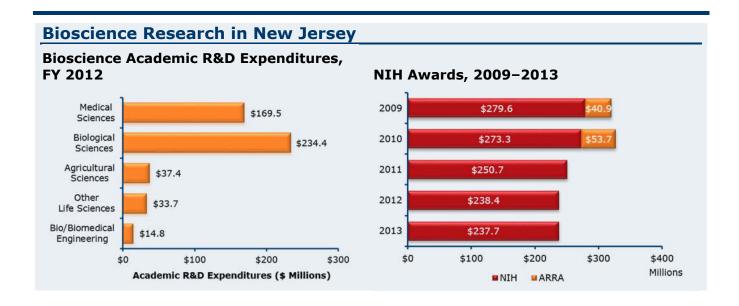
Metric	New Jersey	United States	Quintile
Bioscience Industry, 2012			
Bioscience Industry Employment	86,012	1,619,746	I
Bioscience Industry Location Quotient	1.86	n/a	I
Bioscience Industry Establishments	2,498	73,088	I
Academic Bioscience R&D Expenditures, FY 2012			
Bioscience R&D (\$ thousands)	\$489,861	\$38,139,876	III
Bioscience Share of Total R&D	46%	61%	V
Bioscience R&D Per Capita	\$55	\$119	V
NIH Funding, FY 2013			
Funding (\$ thousands)	\$237,706	\$22,293,255	III
Funding Per Capita	\$27	\$70	IV
Bioscience Venture Capital Investments, 2009–13 (\$ millions)	\$2,070.4	\$49,401.7	I
Bioscience and Related Patents, 2009–13	7,385	100,238	I

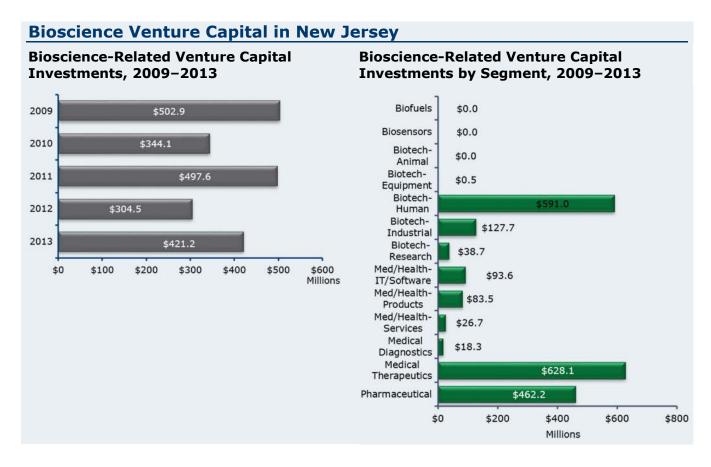
State ranking figures for bioscience performance metrics are calculated as quintiles, where I = top quintile, III = middle quintile, and V = bottom quintile.

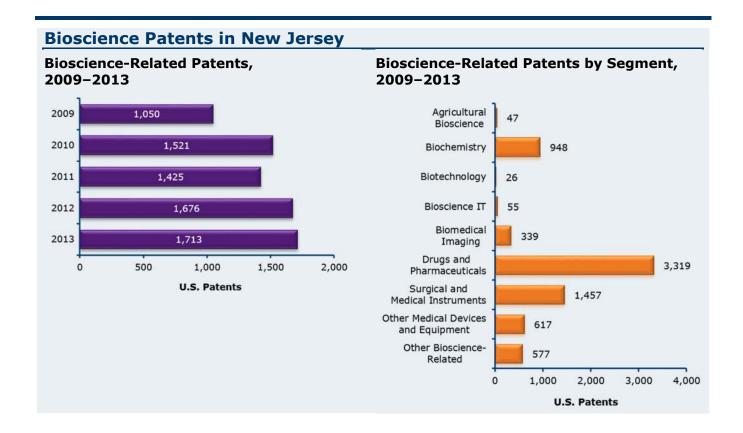
For source notes, see end of State Profile.

	New Jersey		United States				
Industry Subsector	2012	2007–2012 Change	2012	2007–2012 Change			
Agricultural Feedstock & Chemicals							
Establishments Employment Location Quotient Direct-Effect Employment Multiplier Total Employment Impact Average Annual Wage	18 404 0.18 18.3 7,392 \$126,730	-19.7% -3.8% 64.3%	1,772 76,404 n/a 18.1 1,382,637 \$75,828	5.2% -1.0% 14.2%			
Bioscience-Related Distribution							
Establishments Employment Location Quotient Direct-Effect Employment Multiplier Total Employment Impact Average Annual Wage	1,085 19,835 1.42 2.7 53,634 \$128,974	9.0% 6.3% 33.2%	36,793 442,016 n/a 2.7 1,199,015 \$85,188	1.4% -3.9% 11.5%			
Drugs and Pharmaceuticals							
Establishments Employment Location Quotient Direct-Effect Employment Multiplier Total Employment Impact	231 26,726 3.29 10.1 268,885	-6.1% -36.7%	3,057 284,331 n/a 9.9 2,673,265	12.0% -10.9%			
Average Annual Wage	\$152,260	22.7%	\$106,576	13.9%			
Medical Devices and Equipment Establishments	280	8.9%	7 225	12.0%			
Employment Location Quotient Direct-Effect Employment Multiplier Total Employment Impact Average Annual Wage	12,664 1.27 3.7 47,141 \$100,527	0.9%	7,235 349,432 n/a 3.9 1,318,459 \$75,695	1.4%			
Research, Testing, and Medical Laboratories			, ,,,,,,				
Establishments Employment Location Quotient Direct-Effect Employment Multiplier Total Employment Impact Average Annual Wage	884 26,383 1.97 2.9 76,378 \$127,603	15.9% 5.6% 25.6%	24,231 467,563 n/a 2.7 1,284,196 \$91,248	31.0% 9.7% 15.9%			
Total Bioscience Industry	Ψ12, 7003	2310 %	φ31/2 10	1313 %			
Establishments Employment Location Quotient Direct-Effect Employment Multiplier Total Employment Impact Average Annual Wage	2,498 86,012 1.86 5.4 467,986 \$131,590	9.4% -13.0% 21.4%	73,088 1,619,746 n/a 4.9 7,857,572 \$88,202	11.4% -0.4% 12.8%			
Total Private Sector			, , , , , , , ,				
Establishments Employment Average Annual Wage	243,466 3,179,859 \$58,122	-8.4% -5.1% 8.5%	8,699,564 111,137,206 \$49,130	-0.5% -3.1% 11.1%			

Note: U.S. employment metrics include Puerto Rico. Estimates of total impacts do not include Puerto Rico.







Source Notes

Employment, Establishments, and Wages: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), enhanced file from the IMPLAN Group, LLC.

Employment Multipliers: IMPLAN Group, LLC state-level Input/Output models.

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), and NIH-managed funding for FY 2009 and FY 2010 from the American Recovery and Reinvestment Act (ARRA) website.

Venture Capital: Thomson Reuters Thomson ONE venture capital database.

Patents: U.S. Patent & Trademark Office data from Thomson Reuters Delphion Patent Analysis Database.

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