

Nevada



Nevada's bioscience industry employed nearly 4,800 in 2012 while operating 373 business establishments. The majority of state employment is concentrated in two industry subsectors—research, testing, and medical labs and in bioscience-related distribution. Nevada's smaller presence in drugs and pharmaceuticals and medical devices and equipment has grown since 2007. Average annual wages among the state's bioscience industry workers approached \$60,000 in 2012, 41 percent greater than the overall average for Nevada's private sector. State inventors have been issued 368 bioscience-related patents since 2009 with a focus in surgical and medical instruments and drugs and pharmaceuticals.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metric	Nevada	United States	Quintile
Bioscience Industry, 2012			
Bioscience Industry Employment	4,776	1,619,746	V
Bioscience Industry Location Quotient	0.33	n/a	V
Bioscience Industry Establishments	373	73,088	IV
Academic Bioscience R&D Expenditures, FY 2012			
Bioscience R&D (\$ thousands)	\$44,207	\$38,139,876	V
Bioscience Share of Total R&D	29%	61%	V
Bioscience R&D Per Capita	\$16	\$119	V
NIH Funding, FY 2013			
Funding (\$ thousands)	\$24,763	\$22,293,255	V
Funding Per Capita	\$9	\$70	V
Bioscience Venture Capital Investments, 2009–13 (\$ millions)	\$0.1	\$49,401.7	V
Bioscience and Related Patents, 2009–13	368	100,238	IV

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

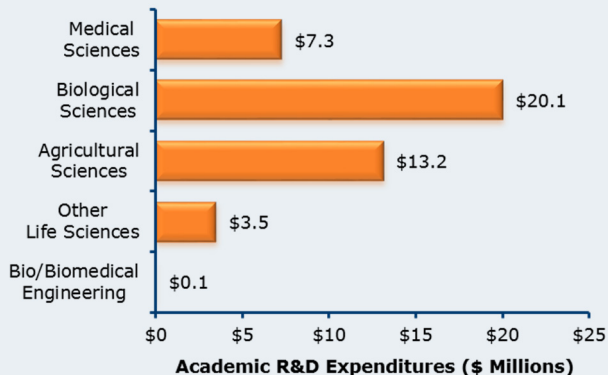
For source notes, see end of State Profile.

Industry Subsector	Nevada		United States	
	2012	2007-2012 Change	2012	2007-2012 Change
Agricultural Feedstock & Chemicals				
Establishments	9	-10.0%	1,772	5.2%
Employment	31	-71.3%	76,404	-1.0%
Location Quotient	0.05		n/a	
Direct-Effect Employment Multiplier	11.8		18.1	
Total Employment Impact	362		1,382,637	
Average Annual Wage	\$33,316	-41.8%	\$75,828	14.2%
Bioscience-Related Distribution				
Establishments	138	5.2%	36,793	1.4%
Employment	1,458	-12.4%	442,016	-3.9%
Location Quotient	0.38		n/a	
Direct-Effect Employment Multiplier	2.5		2.7	
Total Employment Impact	3,634		1,199,015	
Average Annual Wage	\$56,280	-8.9%	\$85,188	11.5%
Drugs and Pharmaceuticals				
Establishments	22	-4.3%	3,057	12.0%
Employment	523	7.8%	284,331	-10.9%
Location Quotient	0.21		n/a	
Direct-Effect Employment Multiplier	8.3		9.9	
Total Employment Impact	4,355		2,673,265	
Average Annual Wage	\$45,971	7.1%	\$106,576	13.9%
Medical Devices and Equipment				
Establishments	34	30.8%	7,235	12.0%
Employment	462	14.4%	349,432	1.4%
Location Quotient	0.15		n/a	
Direct-Effect Employment Multiplier	3.2		3.9	
Total Employment Impact	1,460		1,318,459	
Average Annual Wage	\$55,030	-6.7%	\$75,695	10.7%
Research, Testing, and Medical Laboratories				
Establishments	170	16.4%	24,231	31.0%
Employment	2,303	-26.8%	467,563	9.7%
Location Quotient	0.55		n/a	
Direct-Effect Employment Multiplier	2.3		2.7	
Total Employment Impact	5,273		1,284,196	
Average Annual Wage	\$66,468	0.7%	\$91,248	15.9%
Total Bioscience Industry				
Establishments	373	10.9%	73,088	11.4%
Employment	4,776	-17.7%	1,619,746	-0.4%
Location Quotient	0.33		n/a	
Direct-Effect Employment Multiplier	3.5		4.9	
Total Employment Impact	16,809		7,857,572	
Average Annual Wage	\$59,794	-3.9%	\$88,202	12.8%
Total Private Sector				
Establishments	70,908	-4.0%	8,699,564	-0.5%
Employment	987,379	-12.7%	111,137,206	-3.1%
Average Annual Wage	\$42,396	2.9%	\$49,130	11.1%

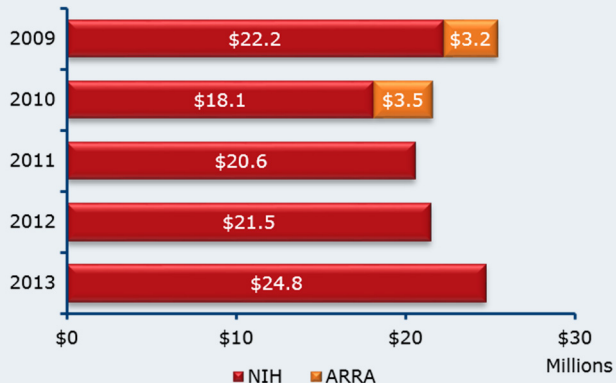
Note: U.S. employment metrics include Puerto Rico. Estimates of total impacts do not include Puerto Rico.

Bioscience Research in Nevada

Bioscience Academic R&D Expenditures, FY 2012

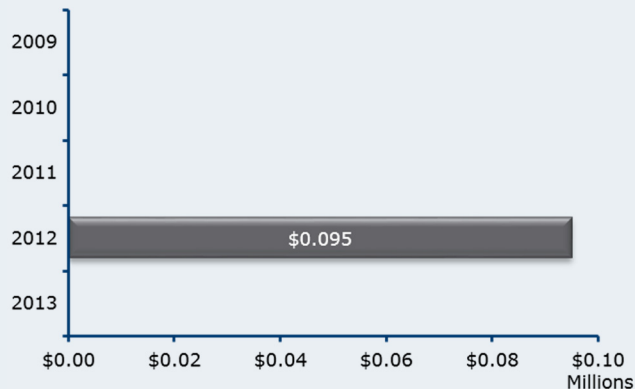


NIH Awards, 2009–2013

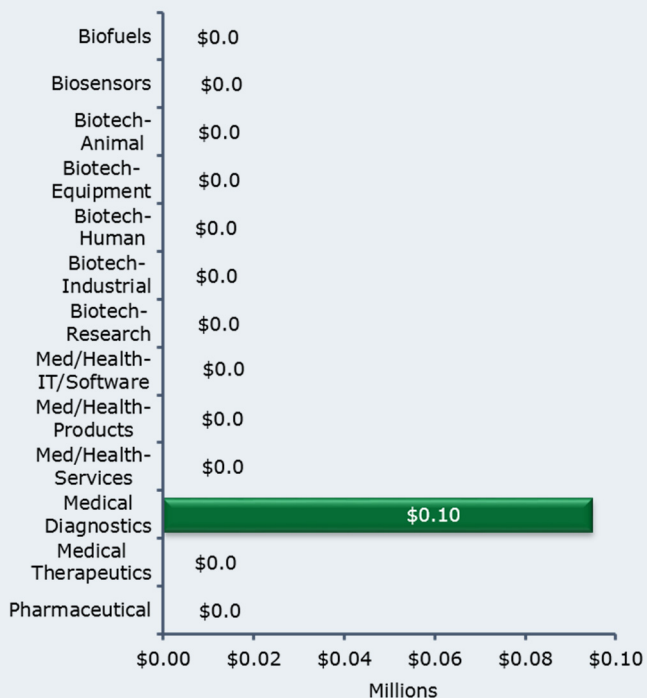


Bioscience Venture Capital in Nevada

Bioscience-Related Venture Capital Investments, 2009–2013

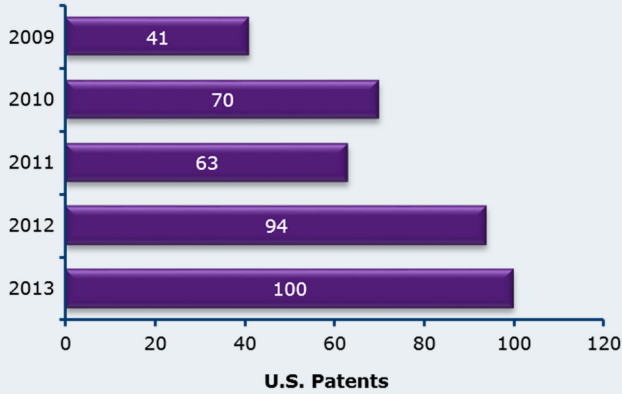


Bioscience-Related Venture Capital Investments by Segment, 2009–2013

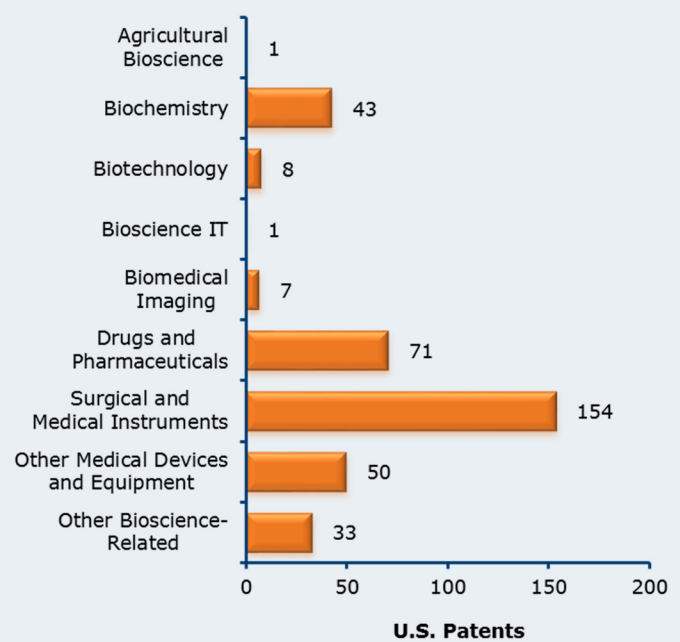


Bioscience Patents in Nevada

Bioscience-Related Patents, 2009–2013



Bioscience-Related Patents by Segment, 2009–2013



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.