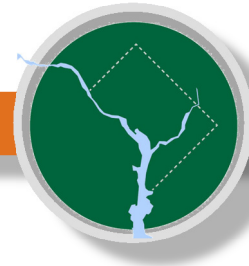


District of Columbia



Bioscience industry employment in Washington, D.C. totaled just over 2,000 jobs that spanned 173 business establishments in 2012. Nearly all of these jobs are in the research, testing, and medical labs subsector which has decreased employment in recent years. The District has little presence in the more manufacturing oriented subsectors of the industry. Washington, D.C. stands out in its high concentration of bioscience and biomedical R&D. Its universities combined to spend more than \$306 million in bioscience-related research in 2012 placing it among the top tier of states in its concentration of R&D per capita. Likewise, its research institutions received \$187 million in funding from NIH in 2013, again among the top tier of states in its per capita concentration of this key biomedical funding stream.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metric	District of Columbia	United States	Quintile
Bioscience Industry, 2012			
Bioscience Industry Employment	2,037	1,619,746	V
Bioscience Industry Location Quotient	0.30	n/a	V
Bioscience Industry Establishments	173	73,088	V
Academic Bioscience R&D Expenditures, FY 2012			
Bioscience R&D (\$ thousands)	\$306,536	\$38,139,876	III
Bioscience Share of Total R&D	67%	61%	II
Bioscience R&D Per Capita	\$474	\$119	I
NIH Funding, FY 2013			
Funding (\$ thousands)	\$187,059	\$22,293,255	III
Funding Per Capita	\$289	\$70	I
Bioscience Venture Capital Investments, 2009–13 (\$ millions)	\$47.6	\$49,401.7	IV
Bioscience and Related Patents, 2009–13	356	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.

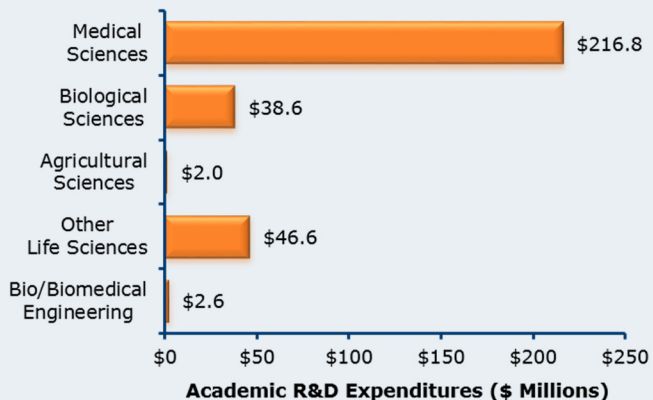
For source notes, see end of State Profile.

Industry Subsector	District of Columbia		United States	
	2012	2007-2012 Change	2012	2007-2012 Change
Agricultural Feedstock & Chemicals				
Establishments	2	0.0%	1,772	5.2%
Employment	6	7.1%	76,404	-1.0%
Location Quotient	0.02		n/a	
Direct-Effect Employment Multiplier	8.8		18.1	
Total Employment Impact	48		1,382,637	
Average Annual Wage	n/a	n/a	\$75,828	14.2%
Bioscience-Related Distribution				
Establishments	56	0.2%	36,793	1.4%
Employment	158	-45.9%	442,016	-3.9%
Location Quotient	0.08		n/a	
Direct-Effect Employment Multiplier	1.9		2.7	
Total Employment Impact	298		1,199,015	
Average Annual Wage	n/a	n/a	\$85,188	11.5%
Drugs and Pharmaceuticals				
Establishments	10	-28.6%	3,057	12.0%
Employment	141	8.5%	284,331	-10.9%
Location Quotient	0.12		n/a	
Direct-Effect Employment Multiplier	4.3		9.9	
Total Employment Impact	602		2,673,265	
Average Annual Wage	n/a	n/a	\$106,576	13.9%
Medical Devices and Equipment				
Establishments	4	100.0%	7,235	12.0%
Employment	54	629.1%	349,432	1.4%
Location Quotient	0.04		n/a	
Direct-Effect Employment Multiplier	2.1		3.9	
Total Employment Impact	115		1,318,459	
Average Annual Wage	\$63,920	-42.6%	\$75,695	10.7%
Research, Testing, and Medical Laboratories				
Establishments	100	11.7%	24,231	31.0%
Employment	1,678	-29.0%	467,563	9.7%
Location Quotient	0.85		n/a	
Direct-Effect Employment Multiplier	2.1		2.7	
Total Employment Impact	3,460		1,284,196	
Average Annual Wage	\$92,837	11.1%	\$91,248	15.9%
Total Bioscience Industry				
Establishments	173	5.2%	73,088	11.4%
Employment	2,037	-27.3%	1,619,746	-0.4%
Location Quotient	0.30		n/a	
Direct-Effect Employment Multiplier	2.6		4.9	
Total Employment Impact	5,289		7,857,572	
Average Annual Wage	\$113,405	15.2%	\$88,202	12.8%
Total Private Sector				
Establishments	33,376	2.0%	8,699,564	-0.5%
Employment	470,205	4.8%	111,137,206	-3.1%
Average Annual Wage	\$76,449	10.6%	\$49,130	11.1%

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

Bioscience Research in District of Columbia

Bioscience Academic R&D Expenditures, FY 2012



NIH Awards, 2009–2013

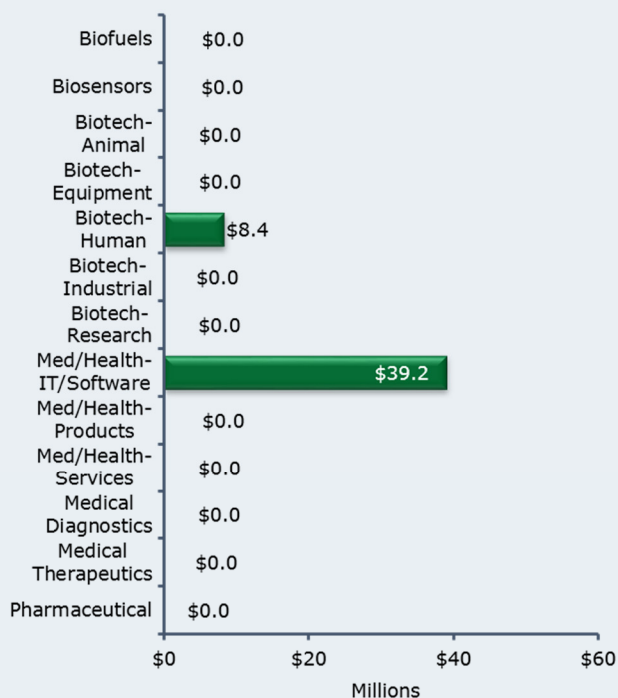


Bioscience Venture Capital in District of Columbia

Bioscience-Related Venture Capital Investments, 2009–2013

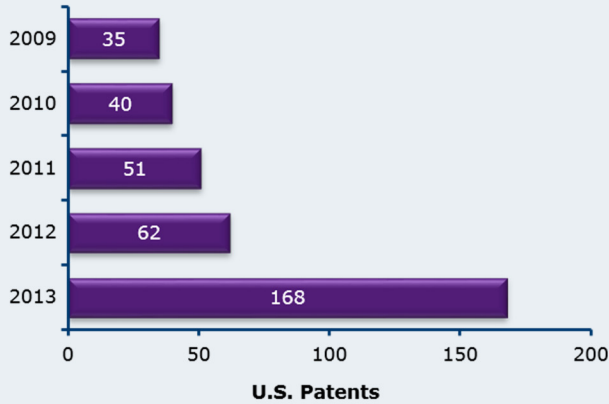


Bioscience-Related Venture Capital Investments by Segment, 2009–2013

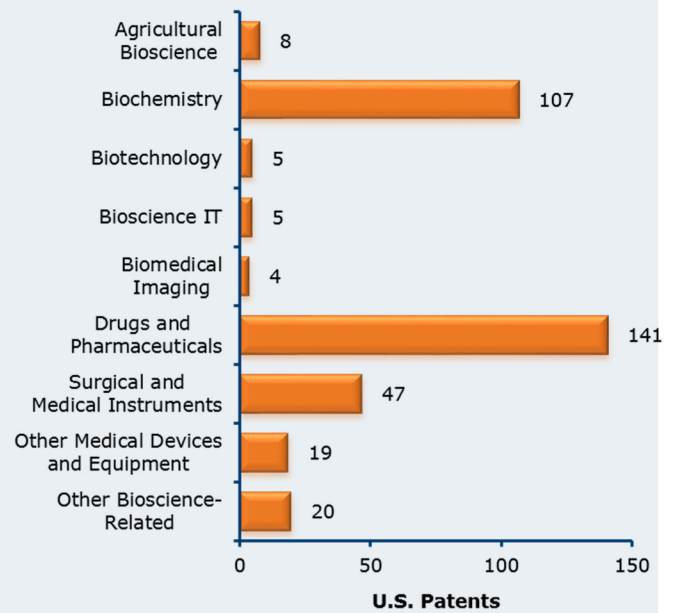


Bioscience Patents in District of Columbia

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.