

Science and Engineering Profile: Puerto Rico

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 ¹	1,310	542,940	49	Total R&D performance, 2000 (millions).....	\$0	\$244,855	na
Doctoral engineers, 2001 ¹	220	112,770	47	Industry R&D, 2000 (millions).....	\$0	\$187,544	na
S&E doctorates awarded, 2001 ¹	97	25,509	40	Academic R&D, 2001 (millions).....	\$64	\$32,716	50
of which, in psychology.....	55%	13%		of which, in life sciences.....	61%	59%	
in life sciences.....	31%	26%		in engineering.....	15%	15%	
in physical sciences.....	12%	13%		in environmental sciences.....	10%	6%	
S&E postdoctorates, 2001 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	7	42,899	51	expenditures, 2000 (millions).....	\$825	\$152,068	38
S&E graduate students, 2001 ¹				Number of SBIR awards, 1999-2001.....	2	13,650	52
in doctorate-granting institutions.....	4,125	452,411	32	Utility patents issued to state residents, 2001.....	11	87,605	52
Population, 2002 (thousands).....	3,859	292,228	27	Gross state product, 2000 (billions).....	\$62	\$10,003	36
Civilian labor force, 2002 (thousands).....	1,356	146,712	32	of which, agriculture.....	1%	1%	
Personal income per capita, 2001.....	\$10,816	\$30,472	52	manufacturing, mining, construction.....	42%	22%	
Federal spending				transportation, communication, utilities.....	8%	8%	
Total expenditures, 2001 (millions).....	\$13,181	\$1,753,011	36	wholesale and retail trade.....	14%	16%	
R&D obligations, 2001 (millions).....	\$91	\$78,006	48	finance, insurance, real estate.....	16%	19%	
				services.....	11%	22%	
				government.....	9%	12%	

¹Data on graduate students, doctoral scientists, doctoral engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health. Data on S&E doctorates awarded do not include health fields.

NOTES: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys. The data source for Puerto Rico's personal income per capita and gross state product was the Puerto Rico Federal Affairs Administration, Washington, D.C.

Federal Obligations for Research and Development by Agency and Performer: Puerto Rico, Fiscal Year 2001

Agency	Performer							State rank, total
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	
	[In thousands of dollars]							
Total, all agencies.....	90,790	10,552	10,119	10,170	57,555	68	2,326	48
Department of Agriculture.....	10,657	6,070	0	0	4,577	10	0	42
Department of Commerce.....	916	27	0	0	32	0	857	48
Department of Defense.....	695	0	0	0	695	0	0	52
Department of Energy.....	721	0	0	0	721	0	0	50
Dept. of Health & Human Services.....	55,912	3,082	0	10,170	41,133	58	1,469	41
Department of the Interior.....	1,448	1,373	0	0	75	0	0	49
Department of Transportation.....	0	0	0	0	0	0	0	na
Environmental Protection Agency.....	198	0	0	0	198	0	0	48
National Aeronautics and Space Admin.....	1,590	0	0	0	1,590	0	0	49
National Science Foundation.....	18,653	0	10,119	0	8,534	0	0	33
State rank, total.....	48	48	18	48	45	51	45	na

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable or not available.

NOTES: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Statistics. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".