

Science and engineering profile: Puerto Rico

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	1,620 *	566,330	48
Doctoral engineers, 2003	200 **	118,540	48
S&E doctorates awarded, 2005	44	27,974	47
Psychology (%)	43	12	-
Life sciences (%)	30	26	-
Physical sciences (%)	14	13	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	15	48,601	50
S&E and health graduate students in doctorate-granting institutions, 2005	4,634	527,767	31
Population, 2005 (thousands)	3,912	300,322	27
Civilian labor force, 2005 (thousands)	1,410	150,717	32
Personal income per capita, 2005 (dollars)	12,502	34,495	52
Federal spending			
Total expenditures, 2004 (\$millions)	15,479	2,136,440	36
R&D obligations, 2004 (\$millions)	101	98,936	49
Total R&D performance, 2004 (\$millions)	na	283,439	na
Industry R&D, 2004 (\$millions)	na	201,131	na
Academic R&D, 2005 (\$millions)	100	45,725	49
Life sciences (%)	61	60	-
Physical sciences (%)	14	8	-
Engineering (%)	10	15	-
SBIR awards, 2000-05	9	33,289	52
Utility patents issued to state residents, 2005	26	74,630	52
Gross domestic product, 2005 (\$billions)	82	12,492	35

*Coefficient of variation greater than 10% but less than 25%; **Coefficient of variation 25% or greater; - = no value possible; na = not applicable; data were not collected; S&E = science and engineering; SBIR = small business innovation research.

NOTES: Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico. Rankings are based on unrounded totals. Reliability of estimates of doctoral scientists and engineers varies by state, because sample allocation was not based on geography. Rankings do not take into account the margin of error of estimates from sample surveys. Data on doctoral scientists and engineers include only recipients of doctoral degrees from U.S. institutions in S&E and health fields. The field percentages represent the largest three fields within the state. The data source for Puerto Rico's personal income per capita and gross domestic product was "Puerto Rico in Figures 2005", published by the Government Development Bank for Puerto Rico, August 2006.

Federal obligations for research and development, by agency and performer: Puerto Rico, FY 2004
(Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	100,904	5,686	10,528	103	83,840	16	731	49
Department of Agriculture	8,735	3,880	0	0	4,839	16	0	47
Department of Commerce	537	0	0	2	455	0	80	45
Department of Defense	442	0	0	0	442	0	0	52
Department of Energy	795	0	0	0	795	0	0	50
Department of Health and Human Services	58,496	1,271	0	1	56,727	0	497	43
Department of Homeland Security	0	0	0	0	0	0	0	-
Department of the Interior	628	535	0	0	93	0	0	52
Department of Transportation	0	0	0	0	0	0	0	-
Environmental Protection Agency	0	0	0	0	0	0	0	-
National Aeronautics and Space Administration	10,125	0	0	0	9,971	0	154	39
National Science Foundation	21,146	0	10,528	100	10,518	0	0	34
Rank	49	50	17	52	42	52	52	-

- = no value possible.

FFRDC = federally funded research and development center.

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.