Science and engineering profile: Puerto Rico

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001	1,310	542,940	49	Total R&D performance, 2002 (millions of dollars)	na	255,707	na
Doctoral engineers, 2001	220	112,760	47	Industry R&D, 2002 (millions of dollars)	na	182,403	na
S&E doctorates awarded, 2002	59	24,558	44	Academic R&D, 2002 (millions of dollars)	70	36,314	49
psychology (percent)	47	13	na	life sciences (percent)	63	59	na
life sciences (percent)	27	27	na	engineering (percent)	14	15	na
physical sciences (percent)	15	13	na	environmental sciences (percent)	10	6	na
S&E postdoctorates, 2002				Public higher education current-fund			
doctorate-granting institutions	10	45,171	50	expenditures, 2001 (millions of dollars)	903	170,024	38
S&E graduate students, 2002				Number of SBIR awards, 1999-2002	3	19,383	52
doctorate-granting institutions	4,318	482,211	33	Utility patents issued to state residents, 2002	16	86,971	52
Population, 2003 (thousands)	3,879	294,688	27	Gross state product, 2001 (billions of dollars)	68	10,206	34
Civilian labor force, 2003 (thousands)	1,393	147,569	32	agriculture (percent)	1	1	na
				manufacturing, mining, construction (percent)	45	20	na
Personal income per capita, 2003 (dollars)	11,279	31,632	52	transportation, communication, utilities (percent)	7	8	na
				wholesale and retail trade (percent)	12	16	na
Federal spending				finance, insurance, real estate (percent)	16	20	na
Total expenditures, 2002 (millions of dollars)	14,062	1,896,317	36	services (percent)	10	22	na
R&D obligations, 2002 (millions of dollars)	135	83,764	47	government (percent)	9	12	na

na = not applicable.

SBIR = small business innovation research.

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.

Data 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 fields.

Data on S&E doctorates awarded do not include health fields. 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 2002

(Thousands of dollars)

Agency	Performer							Rank
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State and local government	
All agencies	135,294	21,596	9,409	667	76,608	25,382	1,632	47
Department of Agriculture	10,800	5,963	0	0	4,825	12	0	41
Department of Commerce	0	0	0	0	0	0	0	na
Department of Defense	868	0	0	60	808	0	0	52
Department of Energy	625	0	0	0	625	0	0	51
Department of Health and Human Services	102,068	14,367	0	0	60,699	25,370	1,632	35
Department of the Interior	1,351	1,266	0	0	85	0	0	49
Department of Transportation	208	0	0	0	208	0	0	52
Environmental Protection Agency	0	0	0	0	0	0	0	na
National Aeronautics and Space Administration	2,048	0	0	0	2,048	0	0	48
National Science Foundation	17,326	0	9,409	607	7,310	0	0	36
Rank	47	47	17	52	40	31	48	na

FFRDC = federally funded research and development center.

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.