

Science and engineering profile: Rhode Island

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	2,860	566,330	38
Doctoral engineers, 2003	520 *	118,540	37
S&E doctorates awarded, 2004	160	26,275	36
Life sciences (percent)	21	27	na
Social sciences (percent)	19	16	na
Engineering (percent)	15	22	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	130	46,807	36
S&E and health graduate students in doctorate-granting institutions, 2003	2,121	507,247	42
Population, 2004 (thousands)	1,081	297,550	44
Civilian labor force, 2004 (thousands)	562	148,769	44
Personal income per capita, 2004 (dollars)	34,180	33,041	16
Federal spending			
Total expenditures, 2003 (millions of dollars)	8,036	2,024,246	44
R&D obligations, 2003 (millions of dollars)	523	91,359	29
Total R&D performance, 2003 (millions of dollars)	1,757	277,577	29
Industry R&D, 2003 (millions of dollars)	1,203	198,244	28
Academic R&D, 2003 (millions of dollars)	187	40,055	38
Life sciences (percent)	44	59	na
Environmental sciences (percent)	19	5	na
Engineering (percent)	14	15	na
Number of SBIR awards, 1999-2004	117	31,847	34
Utility patents issued to state residents, 2004	309	84,268	39
Gross state product, 2004 (billions of dollars)	42	11,744	46

*Coefficient of variation greater than 10% but less than 25%; na = not applicable; 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. Reliability of estimates of industry R&D and 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.

Federal obligations for research and development, by agency and performer: Rhode Island, FY 2003
(Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State and local government
All agencies	523,349	301,129	0	40,015	114,506	66,211	1,488	29
Department of Agriculture	3,024	0	0	0	2,975	49	0	52
Department of Commerce	5,940	1,527	0	0	4,413	0	0	26
Department of Defense	302,662	251,459	0	34,996	16,021	186	0	23
Department of Energy	3,030	0	0	0	2,947	83	0	44
Department of Health and Human Services	158,545	28,971	0	4,106	59,734	65,131	603	30
Department of the Interior	1,815	1,328	0	0	487	0	0	43
Department of Transportation	935	0	0	50	0	0	885	48
Environmental Protection Agency	18,323	17,844	0	0	479	0	0	6
National Aeronautics and Space Administration	4,814	0	0	849	3,690	275	0	41
National Science Foundation	24,261	0	0	14	23,760	487	0	30
Rank	29	18	na	39	37	15	45	na

FFRDC = federally funded research and development center.
na = not applicable.

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.