Science and engineering profile: District of Columbia

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	6,750	566,330	26
Doctoral engineers, 2003	390 *	118,540	41
S&E doctorates awarded, 2004	298	26,275	26
Social sciences (percent)	36	16	na
Psychology (percent)	18	13	na
Life sciences (percent)	17	27	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	124	46,807	38
S&E and health graduate students in doctorate-granting institutions, 2003	9,199	507,247	17
Population, 2004 (thousands)	554	297,550	51
Civilian labor force, 2004 (thousands)	299	148,769	51
Personal income per capita, 2004 (dollars)	52,101	33,041	1
Federal spending			
Total expenditures, 2003 (millions of dollars)	34,750	2,024,246	21
R&D obligations, 2003 (millions of dollars)	2,916	91,359	9
Total R&D performance, 2003 (millions of dollars)	2,686	277,577	26
Industry R&D, 2003 (millions of dollars)	235	198,244	43
Academic R&D, 2003 (millions of dollars)	263	40,055	36
Life sciences (percent)	61	59	na
Physical sciences (percent)	12	8	na
Engineering (percent)	9	15	na
Number of SBIR awards, 1999–2004	113	31,847	36
Utility patents issued to state residents, 2004	75	84,268	48
Gross state product, 2004 (billions of dollars)	77	11,744	36

*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: District of Columbia, FY 2003
(Thousands of dollars)

		Performer						
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State and local government	Rank
All agencies	2,916,133	1,959,883	173	527,006	196,921	221,196	10,954	9
Department of Agriculture	160,581	143,891	0	14,456	848	1,221	165	1
Department of Commerce	11,089	6,478	0	508	1,020	3,083	0	18
Department of Defense	1,276,568	909,046	0	339,475	11,658	16,303	86	11
Department of Energy	513,726	483,058	0	3,411	14,429	12,828	0	5
Department of Health and Human Services	290,892	54,565	0	20,809	151,675	63,843	0	24
Department of the Interior	2,412	1,735	0	0	277	400	0	37
Department of Transportation	214,888	89,542	0	105,871	2,497	6,440	10,538	1
Environmental Protection Agency	64,191	54,620	0	970	0	8,436	165	3
National Aeronautics and Space Administration	286,626	209,054	0	39,320	6,370	31,882	0	8
National Science Foundation	95,160	7,894	173	2,186	8,147	76,760	0	13
Rank	9	4	18	19	29	8	7	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.