

Science and engineering profile: Washington

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	15,520	566,330	13
Doctoral engineers, 2003	2,930	118,540	13
S&E doctorates awarded, 2004	477	26,275	18
Life sciences (percent)	30	27	na
Engineering (percent)	22	22	na
Social sciences (percent)	17	16	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	1,014	46,807	14
S&E and health graduate students in doctorate-granting institutions, 2003	7,192	507,247	25
Population, 2004 (thousands)	6,204	297,550	15
Civilian labor force, 2004 (thousands)	3,234	148,769	14
Personal income per capita, 2004 (dollars)	35,017	33,041	13
Federal spending			
Total expenditures, 2003 (millions of dollars)	43,368	2,024,246	16
R&D obligations, 2003 (millions of dollars)	2,292	91,359	13
Total R&D performance, 2003 (millions of dollars)	11,469	277,577	7
Industry R&D, 2003 (millions of dollars)	9,222	198,244	6
Academic R&D, 2003 (millions of dollars)	870	40,055	14
Life sciences (percent)	67	59	na
Environmental sciences (percent)	10	5	na
Engineering (percent)	10	15	na
Number of SBIR awards, 1999–2004	757	31,847	11
Utility patents issued to state residents, 2004	2,221	84,268	12
Gross state product, 2004 (billions of dollars)	262	11,744	14

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: Washington, FY 2003  
(Thousands of dollars)

Agency	Total	Performer					State and local government	Rank
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		
All agencies	2,292,132	411,905	153,284	817,144	615,381	285,977	8,441	13
Department of Agriculture	48,422	30,626	0	0	17,447	244	105	15
Department of Commerce	114,121	102,643	0	4,980	5,785	713	0	3
Department of Defense	907,326	77,305	5,520	773,698	42,800	7,905	98	15
Department of Energy	189,092	22,941	140,218	4,530	20,227	826	350	9
Department of Health and Human Services	914,716	171,320	7,546	26,494	435,133	271,681	2,542	8
Department of the Interior	7,819	6,062	0	88	1,401	0	268	18
Department of Transportation	5,654	0	0	1,176	470	20	3,988	24
Environmental Protection Agency	5,738	334	0	225	4,353	0	826	17
National Aeronautics and Space Administration	12,452	494	0	2,434	8,597	693	234	31
National Science Foundation	86,792	180	0	3,519	79,168	3,895	30	14
Rank	13	16	10	13	10	6	11	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.