

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, 2005	495	27,974	19
Life sciences (%)	33	26	-
Engineering (%)	20	23	-
Social sciences (%)	16	15	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	1,134	48,601	14
S&E and health graduate students in doctorate-granting institutions, 2005	7,094	527,767	24
Population, 2005 (thousands)	6,288	300,322	14
Civilian labor force, 2005 (thousands)	3,292	150,717	14
Personal income per capita, 2005 (dollars)	35,234	34,495	17
Federal spending			
Total expenditures, 2004 (\$millions)	44,841	2,136,440	17
R&D obligations, 2004 (\$millions)	2,071	98,936	16
Total R&D performance, 2004 (\$millions)	10,936	283,439	9
Industry R&D, 2004 (\$millions)	8,840	201,131	6
Academic R&D, 2005 (\$millions)	901	45,725	15
Life sciences (%)	66	60	-
Engineering (%)	11	15	-
Environmental sciences (%)	10	6	-
SBIR awards, 2000-05	770	33,289	12
Utility patents issued to state residents, 2005	2,291	74,630	11
Gross domestic product, 2005 (\$billions)	267	12,492	14

- = no value possible.

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.

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

Agency	Total	Performer					State, local governments	Rank
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		
All agencies	2,070,868	221,521	155,956	726,118	669,960	284,561	12,752	16
Department of Agriculture	50,938	32,939	0	0	17,511	488	0	12
Department of Commerce	63,290	51,196	0	1,578	8,171	2,345	0	4
Department of Defense	777,989	86,368	9,829	642,602	37,267	1,846	77	18
Department of Energy	186,244	24,122	139,003	3,762	18,457	900	0	9
Department of Health and Human Services	808,761	3,552	7,124	40,441	476,653	274,805	6,186	8
Department of Homeland Security	22,801	16,527	0	6,274	0	0	0	12
Department of the Interior	7,749	6,791	0	61	420	0	477	16
Department of Transportation	8,007	1	0	1,213	1,485	467	4,841	17
Environmental Protection Agency	12,599	0	0	70	11,701	0	828	13
National Aeronautics and Space Administration	37,012	0	0	26,325	10,344	0	343	17
National Science Foundation	95,478	25	0	3,792	87,951	3,710	0	13
Rank	16	17	10	18	11	5	14	-

- = 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.