

Science and engineering profile: Hawaii

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	3,060	566,330	35
Doctoral engineers, 2003	290 **	118,540	45
S&E doctorates awarded, 2004	99	26,275	40
Social sciences (percent)	39	16	na
Life sciences (percent)	26	27	na
Psychology (percent)	13	13	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	118	46,807	40
S&E and health graduate students in doctorate-granting institutions, 2003	1,949	507,247	43
Population, 2004 (thousands)	1,263	297,550	43
Civilian labor force, 2004 (thousands)	616	148,769	43
Personal income per capita, 2004 (dollars)	32,606	33,041	20
Federal spending			
Total expenditures, 2003 (millions of dollars)	11,269	2,024,246	40
R&D obligations, 2003 (millions of dollars)	350	91,359	37
Total R&D performance, 2003 (millions of dollars)	438	277,577	45
Industry R&D, 2003 (millions of dollars)	133	198,244	47
Academic R&D, 2003 (millions of dollars)	185	40,055	39
Life sciences (percent)	36	59	na
Environmental sciences (percent)	25	5	na
Physical sciences (percent)	11	8	na
Number of SBIR awards, 1999–2004	119	31,847	33
Utility patents issued to state residents, 2004	76	84,268	47
Gross state product, 2004 (billions of dollars)	50	11,744	42

\*\*Coefficient of variation 25% or greater; 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: Hawaii, FY 2003  
(Thousands of dollars)

Agency	Performer							Rank
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State and local government	
All agencies	349,644	87,376	0	94,454	134,513	32,590	711	37
Department of Agriculture	26,226	11,035	0	0	9,114	6,077	0	28
Department of Commerce	28,929	19,632	0	450	7,136	1,645	66	9
Department of Defense	170,481	36,692	0	91,272	37,202	5,315	0	28
Department of Energy	3,437	0	0	0	2,806	631	0	42
Department of Health and Human Services	69,702	12,745	0	1,348	43,617	11,990	2	42
Department of the Interior	8,900	6,737	0	5	2,158	0	0	16
Department of Transportation	862	0	0	0	220	0	642	49
Environmental Protection Agency	344	0	0	0	344	0	0	45
National Aeronautics and Space Administration	18,140	535	0	591	10,292	6,721	1	26
National Science Foundation	22,623	0	0	788	21,624	211	0	34
Rank	37	34	na	30	33	21	51	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.