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, 2005	99	27,974	42
Social sciences (%)	47	15	–
Life sciences (%)	18	26	–
Physical sciences (%)	9	13	–
S&E and health postdoctorates in doctorate-granting institutions, 2005	93	48,601	43
S&E and health graduate students in doctorate-granting institutions, 2005	2,092	527,767	43
Population, 2005 (thousands)	1,275	300,322	43
Civilian labor force, 2005 (thousands)	635	150,717	43
Personal income per capita, 2005 (dollars)	34,468	34,495	20
Federal spending			
Total expenditures, 2004 ($millions)	12,187	2,136,440	40
R&D obligations, 2004 ($millions)	393	98,936	34
Total R&D performance, 2004 ($millions)	490	283,439	46
Industry R&D, 2004 ($millions)	131	201,131	47
Academic R&D, 2005 ($millions)	240	45,725	38
Life sciences (%)	38	60	–
Environmental sciences (%)	25	6	–
Physical sciences (%)	12	8	–
SBIR awards, 2000–05	115	33,289	35
Utility patents issued to state residents, 2005	50	74,630	50
Gross domestic product, 2005 ($billions)	54	12,492	42

**Coefficient of variation 25% or greater; – = 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: Hawaii, FY 2004
(Thousands of dollars)

	Performer							
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State, local governments	Rank
All agencies	392,635	79,800	0	121,136	151,178	37,846	2,675	34
Department of Agriculture	45,013	29,031	0	0	10,335	5,647	0	15
Department of Commerce	17,244	5,811	0	86	8,694	2,653	0	14
Department of Defense	199,394	38,943	0	102,479	44,231	13,741	0	27
Department of Energy	2,631	0	0	0	2,596	35	0	45
Department of Health and Human Services	75,319	15	0	10,914	48,961	13,943	1,486	38
Department of Homeland Security	8	2	0	3	0	3	0	41
Department of the Interior	7,649	5,998	0	0	1,651	0	0	18
Department of Transportation	816	0	0	0	0	0	816	50
Environmental Protection Agency	204	0	0	0	0	0	204	43
National Aeronautics and Space Administration	23,307	0	0	7,371	15,767	0	169	22
National Science Foundation	21,050	0	0	283	18,943	1,824	0	35
Rank	34	28	–	30	33	22	44	–

– = 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.