Science and engineering profile: Vermont

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	1,970	566,330	46
Doctoral engineers, 2003	320 **	118,540	42
S&E doctorates awarded, 2005	37	27,974	49
Life sciences (%)	38	26	–
Psychology (%)	35	12	–
Engineering (%)	11	23	–
S&E and health postdoctorates in doctorate-granting institutions, 2005	112	48,601	40
S&E and health graduate students in doctorate-granting institutions, 2005	746	527,767	50
Population, 2005 (thousands)	623	300,322	50
Civilian labor force, 2005 (thousands)	356	150,717	49
Personal income per capita, 2005 (dollars)	32,731	34,495	26
Federal spending			
Total expenditures, 2004 ($millions)	4,633	2,136,440	51
R&D obligations, 2004 ($millions)	212	98,936	42
Total R&D performance, 2004 ($millions)	546	283,439	43
Industry R&D, 2004 ($millions)	423	201,131	36
Academic R&D, 2005 ($millions)	117	45,725	47
Life sciences (%)	87	60	–
Sciences, nec (%)	5	2	–
Physical sciences (%)	2	8	–
SBIR awards, 2000–05	88	33,289	42
Utility patents issued to state residents, 2005	367	74,630	33
Gross domestic product, 2005 ($billions)	23	12,492	52

**Coefficient of variation 25% or greater; – = no value possible; nec = not elsewhere classified; 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: Vermont, 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	211,661	3,625	0	116,859	83,299	3,488	4,390	42
Department of Agriculture	10,410	2,339	0	0	8,049	12	10	42
Department of Commerce	1,139	248	0	0	891	0	0	41
Department of Defense	115,701	146	0	112,392	563	2,600	0	34
Department of Energy	1,453	0	0	416	1,037	0	0	48
Department of Health and Human Services	71,614	0	0	3,215	64,188	721	3,490	42
Department of Homeland Security	324	235	0	89	0	0	0	36
Department of the Interior	1,027	657	0	0	185	0	185	49
Department of Transportation	705	0	0	0	0	0	705	51
Environmental Protection Agency	993	0	0	0	838	155	0	35
National Aeronautics and Space Administration	1,935	0	0	747	1,188	0	0	50
National Science Foundation	6,360	0	0	0	6,360	0	0	51
Rank	42	51	–	31	43	47	38	–

– = 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.