

Science and engineering profile: New Jersey

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	21,370	566,330	7
Doctoral engineers, 2003	5,040	118,540	5
S&E doctorates awarded, 2005	628	27,974	15
Engineering (%)	24	23	-
Life sciences (%)	19	26	-
Social sciences (%)	18	15	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	696	48,601	21
S&E and health graduate students in doctorate-granting institutions, 2005	12,641	527,767	14
Population, 2005 (thousands)	8,718	300,322	10
Civilian labor force, 2005 (thousands)	4,430	150,717	10
Personal income per capita, 2005 (dollars)	43,822	34,495	3
Federal spending			
Total expenditures, 2004 (\$millions)	55,264	2,136,440	11
R&D obligations, 2004 (\$millions)	1,969	98,936	17
Total R&D performance, 2004 (\$millions)	12,460	283,439	7
Industry R&D, 2004 (\$millions)	10,993	201,131	4
Academic R&D, 2005 (\$millions)	867	45,725	17
Life sciences (%)	51	60	-
Engineering (%)	16	15	-
Physical sciences (%)	10	8	-
SBIR awards, 2000-05	936	33,289	10
Utility patents issued to state residents, 2005	2,557	74,630	7
Gross domestic product, 2005 (\$billions)	431	12,492	8

- = 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: New Jersey, 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	1,968,803	562,416	52,413	946,328	374,538	23,851	9,257	17
Department of Agriculture	6,860	0	0	233	6,627	0	0	49
Department of Commerce	28,164	16,749	0	8,909	2,506	0	0	7
Department of Defense	1,356,723	494,365	25	815,457	46,169	700	7	13
Department of Energy	79,498	27	52,388	12,057	14,428	598	0	16
Department of Health and Human Services	272,112	1,500	0	39,150	209,706	21,026	730	22
Department of Homeland Security	29,400	27,717	0	1,298	0	385	0	10
Department of the Interior	2,842	1,989	0	0	581	0	272	31
Department of Transportation	27,986	15,993	0	7,412	150	0	4,431	4
Environmental Protection Agency	7,445	3,986	0	140	3,088	231	0	19
National Aeronautics and Space Administration	75,611	0	0	58,917	12,877	0	3,817	12
National Science Foundation	82,162	90	0	2,755	78,406	911	0	15
Rank	17	7	13	14	20	27	23	-

- = 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.