

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, 2004	641	26,275	14
Engineering (percent)	24	22	na
Life sciences (percent)	22	27	na
Physical sciences (percent)	15	13	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	714	46,807	20
S&E and health graduate students in doctorate-granting institutions, 2003	11,566	507,247	13
Population, 2004 (thousands)	8,699	297,550	10
Civilian labor force, 2004 (thousands)	4,388	148,769	10
Personal income per capita, 2004 (dollars)	41,636	33,041	4
Federal spending			
Total expenditures, 2003 (millions of dollars)	53,679	2,024,246	11
R&D obligations, 2003 (millions of dollars)	1,786	91,359	17
Total R&D performance, 2003 (millions of dollars)	12,795	277,577	6
Industry R&D, 2003 (millions of dollars)	11,401	198,244	3
Academic R&D, 2003 (millions of dollars)	747	40,055	17
Life sciences (percent)	49	59	na
Engineering (percent)	19	15	na
Physical sciences (percent)	9	8	na
Number of SBIR awards, 1999–2004	929	31,847	10
Utility patents issued to state residents, 2004	2,957	84,268	7
Gross state product, 2004 (billions of dollars)	416	11,744	8

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: New Jersey, FY 2003  
(Thousands of dollars)

Agency	Total	Performer						Rank
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State and local government	
All agencies	1,785,820	559,142	52,090	791,356	358,899	20,054	4,279	17
Department of Agriculture	8,489	2	0	212	8,275	0	0	48
Department of Commerce	32,755	25,965	0	5,582	1,208	0	0	7
Department of Defense	1,222,281	456,214	0	723,076	42,214	777	0	12
Department of Energy	77,819	57	52,090	11,708	12,952	1,012	0	15
Department of Health and Human Services	299,686	54,254	0	24,335	203,779	16,641	677	22
Department of the Interior	2,484	1,969	0	0	364	0	151	35
Department of Transportation	33,995	14,901	0	14,933	710	0	3,451	5
Environmental Protection Agency	5,729	2,762	0	450	1,940	577	0	18
National Aeronautics and Space Administration	24,494	2,928	0	6,761	14,249	556	0	20
National Science Foundation	78,088	90	0	4,299	73,208	491	0	16
Rank	17	12	13	14	20	28	32	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.