Science and engineering profile: New York

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	41,090	566,330	2
Doctoral engineers, 2003	6,740	118,540	3
S&E doctorates awarded, 2004	2,326	26,275	2
Life sciences (percent)	26	27	na
Social sciences (percent)	21	16	na
Psychology (percent)	16	13	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	3,759	46,807	3
S&E and health graduate students in doctorate-granting institutions, 2003	42,864	507,247	2
Population, 2004 (thousands)	19,227	297,550	3
Civilian labor force, 2004 (thousands)	9,355	148,769	3
Personal income per capita, 2004 (dollars)	38,333	33,041	6
Federal spending			
Total expenditures, 2003 (millions of dollars)	137,898	2,024,246	3
R&D obligations, 2003 (millions of dollars)	3,973	91,359	6
Total R&D performance, 2003 (millions of dollars)	13,031	277,577	5
Industry R&D, 2003 (millions of dollars)	8,556	198,244	7
Academic R&D, 2003 (millions of dollars)	3,090	40,055	2
Life sciences (percent)	69	59	na
Engineering (percent)	11	15	na
Physical sciences (percent)	8	8	na
Number of SBIR awards, 1999–2004	1,241	31,847	7
Utility patents issued to state residents, 2004	5,846	84,268	3
Gross state product, 2004 (billions of dollars)	897	11,744	2

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 York, FY 2003

(Thousands of dollars)

		Performer						
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State and local government	Rank
All agencies	3,972,873	572,389	249,877	853,366	1,842,749	359,376	95,116	6
Department of Agriculture	51,730	25,996	0	0	24,074	1,660	0	12
Department of Commerce	26,745	324	0	13,084	12,796	239	302	10
Department of Defense	663,248	111,714	655	473,070	72,599	5,210	0	18
Department of Energy	607,748	1,082	230,056	287,378	87,441	1,791	0	3
Department of Health and Human Services	2,243,395	414,198	13,515	57,459	1,343,968	326,768	87,487	4
Department of the Interior	4,834	3,573	0	0	1,172	19	70	24
Department of Transportation	11,622	0	0	3,105	2,056	0	6,461	14
Environmental Protection Agency	15,289	244	0	241	12,678	1,885	241	10
National Aeronautics and Space Administration	65,532	14,661	5,651	12,219	25,659	7,342	0	11
National Science Foundation	282,730	597	0	6,810	260,306	14,462	555	2
Rank	6	11	8	12	2	3	1	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.