Science and engineering profile: Illinois

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	21,370	566,330	7
Doctoral engineers, 2003	3,950	118,540	10
S&E doctorates awarded, 2004	1,199	26,275	6
Engineering (percent)	23	22	na
Life sciences (percent)	23	27	na
Social sciences (percent)	20	16	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	1,333	46,807	9
S&E and health graduate students in doctorate-granting institutions, 2003	24,339	507,247	5
Population, 2004 (thousands)	12,714	297,550	5
Civilian labor force, 2004 (thousands)	6,396	148,769	5
Personal income per capita, 2004 (dollars)	34,725	33,041	14
Federal spending			
Total expenditures, 2003 (millions of dollars)	73,020	2,024,246	7
R&D obligations, 2003 (millions of dollars)	1,900	91,359	15
Total R&D performance, 2003 (millions of dollars)	11,045	277,577	8
Industry R&D, 2003 (millions of dollars)	8,319	198,244	8
Academic R&D, 2003 (millions of dollars)	1,614	40,055	7
Life sciences (percent)	58	59	na
Engineering (percent)	13	15	na
Math and computer sciences (percent)	9	4	na
Number of SBIR awards, 1999–2004	484	31,847	18
Utility patents issued to state residents, 2004	3,162	84,268	6
Gross state product, 2004 (billions of dollars)	522	11,744	5

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: Illinois, 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	1,900,260	222,552	517,943	166,738	901,542	85,806	5,679	15
Department of Agriculture	57,219	40,811	0	600	15,532	231	45	9
Department of Commerce	16,547	971	77	10,817	1,388	2,620	674	13
Department of Defense	206,078	26,194	4,345	108,454	61,445	5,586	54	26
Department of Energy	568,045	2,849	501,679	12,274	47,044	4,199	0	4
Department of Health and Human Services	821,482	149,383	11,116	25,923	567,855	66,572	633	10
Department of the Interior	1,460	1,032	0	0	398	30	0	47
Department of Transportation	10,088	124	0	4,744	947	0	4,273	15
Environmental Protection Agency	4,687	98	0	140	4,398	51	0	20
National Aeronautics and Space Administration	18,941	1,090	505	1,394	14,983	969	0	25
National Science Foundation	195,713	0	221	2,392	187,552	5,548	0	4
Rank	15	21	3	27	8	13	22	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.