

## Indiana

Science and Engineering Profile							
Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999 <sup>1</sup> .....	8,560	518,670	21	Total R&D performance, 1998 (millions).....	\$3,089	\$214,668	18
Doctoral engineers, 1999 <sup>1</sup> .....	1,480	107,100	20	Industry R&D, 1998 (millions).....	\$2,622	\$163,480	17
S&E doctorates awarded, 1999 <sup>1</sup> .....	670	25,953	12	Academic R&D, 1998 (millions).....	\$425	\$25,342	19
of which, in life sciences.....	25%	25%		of which, in life sciences.....	50%	57%	
in engineering.....	23%	21%		in engineering.....	19%	16%	
in physical sciences.....	16%	14%		in physical sciences.....	13%	9%	
S&E postdoctorates, 1998 <sup>1</sup>				Public higher education current-fund			
in doctorate-granting institutions.....	728	39,494	15	expenditures, 1997 (millions).....	\$3,022	\$125,236	14
S&E graduate students, 1998 <sup>1</sup>				Number of SBIR awards, 1990-98.....	168	35,413	27
in doctorate-granting institutions.....	8,964	422,834	15	Patents issued to state residents, 1999.....	1,439	83,901	19
Population, 1999 (thousands).....	5,943	276,580	14	Gross state product, 1998 (billions).....	\$174	\$8,800	15
Civilian labor force, 1999 (thousands).....	3,078	140,536	14	of which, agriculture.....	1%	1%	
Personal income per capita, 1999.....	\$26,143	\$28,542	31	manufacturing, mining, construction.....	37%	22%	
Federal spending				transportation, communication, utilities.....	8%	9%	
Total expenditures, 1999 (millions).....	\$26,828	\$1,508,933	20	wholesale and retail trade.....	15%	16%	
R&D obligations, 1998 (millions).....	\$378	\$70,445	27	finance, insurance, real estate.....	13%	19%	
				services.....	16%	21%	
				government.....	10%	12%	

NOTE: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

<sup>1</sup>Data on graduate students, doctoral scientists and engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health fields. Data on S&E doctorates awarded do not include health fields.

### Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1998

Agency	Performer							
	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies.....	377,735	38,023	200	142,363	189,882	3,318	3,949	27
Department of Agriculture.....	14,097	4,936	0	0	9,161	0	0	34
Department of Commerce.....	2,180	84	0	1,049	572	475	0	33
Department of Defense.....	176,279	28,196	200	132,723	13,413	1,747	0	25
Department of Energy.....	17,778	0	0	150	17,628	0	0	27
Dept. of Health & Human Services.....	106,863	155	0	3,796	101,374	300	1,238	25
Department of the Interior.....	3,996	3,731	0	25	79	0	161	42
Department of Transportation.....	3,612	0	0	1,062	0	0	2,550	24
Environmental Protection Agency.....	1,105	0	0	56	584	465	0	37
National Aeronautics and Space Admin.....	7,708	921	0	3,175	3,281	331	0	36
National Science Foundation.....	44,117	0	0	327	43,790	0	0	17
State rank, total.....	27	35	22	24	22	37	25	na

NOTE: 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.

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".