

OHIO

Science and Engineering Profile

	OH	U.S.	Rank		OH	U.S.	Rank
Doctoral scientists, 1995	15,710	453,928	9	Total R&D performance, 1995 (millions)	\$5,314	\$177,210	10
Doctoral engineers, 1995	3,950	86,738	5	Industry R&D, 1995 (millions)	\$4,001	\$130,332	11
S&E doctorates awarded, 1996	1,094	27,230	7	Academic R&D, 1995 (millions)	\$643	\$21,606	11
of which, in engineering	28%	23%		of which, in life sciences	52%	55%	
in life sciences	22%	25%		in engineering	27%	16%	
in physical sciences	17%	14%		in physical sciences	9%	10%	
S&E postdoctorates, 1995 in doctorate-granting institutions	1,035	35,379	11	Higher education current-fund expenditures, 1995 (millions)	\$6,813	\$182,602	7
S&E graduate students, 1995 in doctorate-granting institutions	21,896	436,328	5	Number of SBIR awards, 1990-1996	746	26,399	11
				Patents issued to state residents, 1996	2,616	61,099	8
Population, 1996 (000s)	11,173	269,067	7	Gross state product, 1994 (billions)	\$274.8	\$6,876.0	7
Civilian labor force, 1996 (000s)	5,643	135,528	7	of which, agriculture	1%	2%	
Personal income per capita, 1996	\$23,537	\$24,231	22	manufacturing, mining, construction	31%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1996 (millions)	\$50,145	\$1,368,858	8	wholesale and retail trade	16%	16%	
R&D obligations, 1995 (millions)	\$1,811	\$67,080	13	finance, insurance, real estate services	15%	19%	
				government	17%	20%	
					11%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Ohio by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	1,811,413	599,044	0	810,049	326,720	71,914	3,686	13
Department of Agriculture	15,947	6,593	0	0	9,324	23	7	32
Department of Commerce	13,284	560	0	11,899	724	101	0	21
Department of Defense	854,591	298,948	0	492,251	56,184	7,208	0	12
Department of Energy	47,590	0	0	40,358	7,163	28	41	18
Dept. of Health & Human Services	288,112	38,723	0	6,603	189,606	52,799	381	11
Department of the Interior	3,643	2,958	0	0	685	0	0	36
Department of Transportation	21,413	7,373	0	8,439	2,104	509	2,988	7
Environmental Protection Agency	58,993	43,139	0	8,220	5,409	1,992	233	3
Nat'l Aeronautics & Space Admin.	470,914	200,750	0	241,328	19,626	9,174	36	6
National Science Foundation	36,926	0	0	951	35,895	80	0	19
State rank	13	6	na	12	11	10	20	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable