

## Science and engineering profile: Kentucky

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	4,960	620,140	31
S&E doctorates awarded, 2006	255	29,854	30
Life sciences (%)	35	26	–
Engineering (%)	21	24	–
Psychology (%)	14	11	–
SEH postdoctorates in doctorate-granting institutions, 2006	486	49,201	25
SEH graduate students in doctorate-granting institutions, 2006	4,925	542,073	31
Population, 2007 (thousands)	4,241	305,563	26
Civilian labor force, 2007 (thousands)	2,044	154,046	25
Personal income per capita, 2006 (\$)	29,719	36,629	47
Federal spending			
Total expenditures, 2005 (\$millions)	34,653	2,260,098	23
R&D obligations, 2005 (\$millions)	263	106,845	39
Total R&D performance, 2005 (\$millions)	1,136	310,194	35
Industry R&D, 2005 (\$millions)	660	222,427	33
Academic R&D, 2006 (\$millions)	479	47,735	29
Life sciences (%)	73	60	–
Engineering (%)	13	15	–
Physical sciences (%)	4	8	–
SBIR awards, 2000–06	88	38,825	45
Utility patents issued to state residents, 2006	413	89,820	33
Gross domestic product, 2006 (\$billions)	146	13,235	28

– = no value possible.

S&E = science and engineering; SEH = science, engineering, and health; SBIR = small business innovation research.

NOTES: Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico. Rankings are based on unrounded totals; they do not account for margin of error of estimates from sample surveys. Employed SEH doctorate holders include only recipients of U.S. doctoral degrees. State estimates for employed SEH doctorate holders may have large sampling errors because the source for these data, the Survey of Doctorate Recipients, was not designed to provide a sample for estimates at the state level; these data are classified by the state where the doctorate holder resides, if known; otherwise, data are classified by employer's location.

## Federal obligations for research and development, by agency and performer: Kentucky, FY 2005 (Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	262,780	20,831	0	28,774	209,766	2,373	1,036	39
Department of Agriculture	18,240	3,188	0	0	15,052	0	0	39
Department of Commerce	0	0	0	0	0	0	0	–
Department of Defense	42,157	14,455	0	18,705	8,747	250	0	42
Department of Energy	11,258	0	0	1,125	10,133	0	0	33
Department of Health and Human Services	144,012	10	0	5,542	135,658	2,123	679	30
Department of Homeland Security	21,272	2,267	0	1,515	17,490	0	0	15
Department of the Interior	1,277	911	0	0	366	0	0	48
Department of Transportation	0	0	0	0	0	0	0	–
Environmental Protection Agency	225	0	0	0	225	0	0	41
National Aeronautics and Space Administration	6,017	0	0	1,313	4,700	0	4	44
National Science Foundation	18,322	0	0	574	17,395	0	353	37
Rank	39	46	–	44	29	49	45	–

– = no value possible.

FFRDC = federally funded research and development center.

NOTES: Federal R&D obligations are as reported by funding agencies. Rankings 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 State Profiles".