

# NEW JERSEY

## Science and Engineering Profile

	New Jersey	U.S.	Rank		New Jersey	U.S.	Rank
Doctoral scientists, 1993	16,898	430,332	8	Total R&D performance, 1993 (millions)	\$9,182	\$161,427	5
Doctoral engineers, 1993	4,180	81,293	4	Industry R&D, 1993 (millions)	\$8,162	\$117,622	4
S&E doctorates awarded, 1995	627	26,482	13	Academic R&D, 1994 (millions)	\$406	\$20,573	16
of which, in engineering	22%	23%		of which, in life sciences	45%	55%	
in life sciences	20%	24%		in engineering	17%	16%	
in physical sciences	17%	14%		in physical sciences	11%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	619	36,143	18	expenditures, 1993 (millions)	\$3,798	\$163,994	12
S&E graduate students, 1994				Number of SBIR awards, 1990-94	581	18,023	9
in doctorate-granting institutions	10,091	438,694	12	Patents issued to state residents, 1995	2,753	55,717	6
Population, 1995 (000s)	7,945	262,755	9	Gross state product, 1992 (billions)	\$223.1	\$5,994.1	8
Civilian labor force, 1995 (000s)	4,064	132,281	9	of which, agriculture	1%	2%	
Personal income per capita, 1995	\$28,858	\$22,788	3	manufacturing, mining, construction	20%	23%	
Federal spending				transportation, communication, utilities	9%	9%	
Total expenditures, 1995 (millions)	\$37,587	\$1,326,294	10	wholesale and retail trade	17%	16%	
R&D obligations, 1994 (millions)	\$1,392	\$65,654	15	finance, insurance, real estate	21%	18%	
				services	22%	20%	
				government	11%	12%	

Rankings and totals are based on data for the 50 States and D.C.  
Data on S&E postdoctorates and S&E graduate students include health fields.

### Federal Obligations for Research and Development in New Jersey by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	1,391,942	438,937	102,134	632,130	200,007	14,020	4,714	15
<b>Department of Agriculture</b>	6,999	888	0	0	6,111	0	0	41
<b>Department of Commerce</b>	23,470	17,067	0	2,852	3,370	48	133	10
<b>Department of Defense</b>	844,521	374,285	183	421,584	44,559	3,910	0	12
<b>Department of Energy</b>	127,413	0	101,843	13,622	11,851	97	0	12
<b>Dept. of Health &amp; Human Services</b>	103,296	0	0	9,998	82,469	9,210	1,619	23
<b>Department of the Interior</b>	4,351	2,900	0	797	151	0	503	33
<b>Department of Transportation</b>	85,443	43,490	0	37,589	1,927	0	2,437	2
<b>Environmental Protection Agency</b>	2,381	0	0	563	1,818	0	0	23
<b>Nat'l Aeronautics &amp; Space Admin.</b>	149,077	307	0	142,206	6,182	382	0	9
<b>National Science Foundation</b>	44,991	0	108	2,919	41,569	373	22	14
<b>State rank</b>	15	9	11	14	18	25	14	

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

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.