

State Indicators

S-33 Employed Science, Engineering, and Health Doctorate Holders as a Percentage of the Workforce

Description

This indicator measures the concentration of science, engineering, and health (SEH) doctorate holders among a state's workforce and represents a state's ability to attract and retain highly trained scientists and engineers. These individuals often conduct R&D, manage R&D activities, or are otherwise engaged in knowledge-intensive activities. A high value for this indicator in a state suggests employment opportunities for individuals with highly advanced training in SEH fields. States in the top quartile for this indicator tend to contain major research laboratories, research universities, or research-intensive industries.

Data on employed SEH doctorate holders are collected by the Survey of Doctorate Recipients. Data include those with research doctoral degrees in computer and mathematical sciences; the biological, agricultural, or environmental life sciences; physical sciences; social sciences; psychology; engineering; and health fields. Doctorate holders with degrees from both public and private institutions are included. SEH doctorate data exclude individuals with clinical (i.e., non-research) doctorates, those trained by foreign institutions, and those older than 75. SEH doctorate holders are assigned to a state based on where they work.

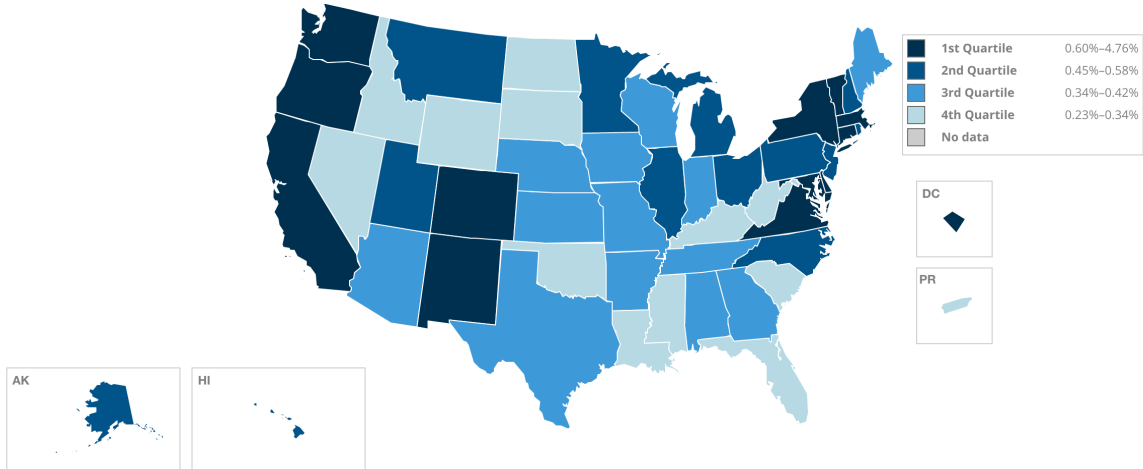
Whereas employment data for SEH doctorates come from the National Center for Science and Engineering Statistics within the National Science Foundation, the data on total employed workforce are developed by the Bureau of Labor Statistics, which assigns workers to a state based on where they live. Workforce data represent annual estimates of the employed civilian labor force. The workforce data also include those older than 75. Because these values are estimates, small differences in the values of the indicator between states or across time are generally not meaningful.

Data sources: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Doctorate Recipients; U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics.

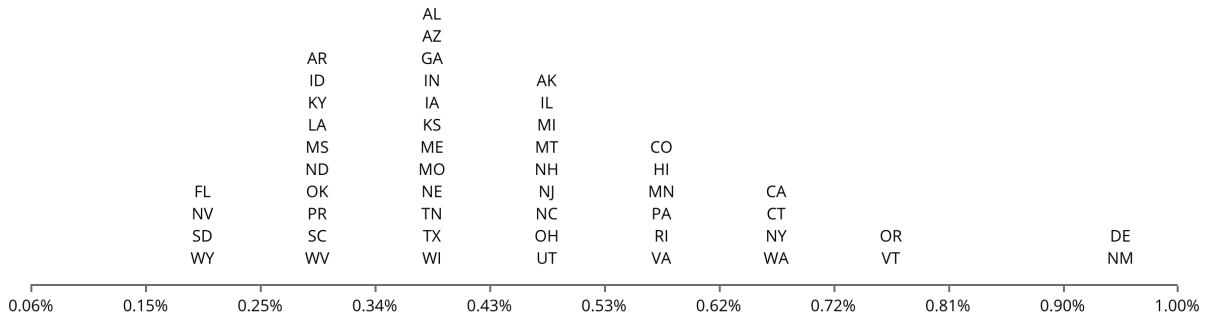
State Indicators

S-33 Employed Science, Engineering, and Health Doctorate Holders as a Percentage of the Workforce

2015



Distribution of states across indicator values, 2015



Histograms do not display states with extreme values. Please consult the data tables for exact indicator values for each state. State positions on the histogram are based on unrounded values of the indicator and may not always match the rounded values displayed in the table.

State Indicators

Employed Science, Engineering, and Health Doctorate Holders as a Percentage of the Workforce

(Percent)

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
United States	0.39	0.41	0.42	0.43	0.43	0.44	0.49	0.50	0.52
Alabama	0.33	0.28	0.27	0.29	0.28	0.29	0.34	0.33	0.36
Alaska	0.38	0.40	0.40	0.37	0.34	0.36	0.42	0.41	0.49
Arizona	0.29	0.28	0.29	0.29	0.29	0.30	0.32	0.35	0.34
Arkansas	0.20	0.23	0.21	0.23	0.22	0.18	0.23	0.23	0.34
California	0.48	0.50	0.50	0.54	0.52	0.57	0.64	0.63	0.68
Colorado	0.50	0.50	0.51	0.52	0.52	0.51	0.60	0.59	0.62
Connecticut	0.53	0.58	0.56	0.58	0.59	0.60	0.65	0.63	0.65
Delaware	1.00	0.96	0.87	0.75	0.73	0.78	0.75	0.82	0.95
District of Columbia	4.54	4.83	4.88	4.83	4.48	4.24	4.75	4.35	4.76
Florida	0.19	0.20	0.21	0.21	0.20	0.22	0.25	0.25	0.24
Georgia	0.26	0.28	0.29	0.29	0.29	0.30	0.36	0.36	0.38
Hawaii	0.45	0.44	0.44	0.53	0.46	0.52	0.50	0.55	0.53
Idaho	0.34	0.33	0.35	0.38	0.39	0.39	0.40	0.40	0.33
Illinois	0.35	0.36	0.36	0.38	0.39	0.39	0.43	0.42	0.46
Indiana	0.25	0.29	0.32	0.32	0.32	0.34	0.38	0.39	0.39
Iowa	0.27	0.28	0.28	0.30	0.31	0.32	0.36	0.35	0.39
Kansas	0.28	0.26	0.30	0.30	0.30	0.30	0.29	0.32	0.36
Kentucky	0.23	0.22	0.25	0.26	0.26	0.25	0.28	0.29	0.29
Louisiana	0.28	0.28	0.28	0.29	0.29	0.26	0.28	0.27	0.28
Maine	0.34	0.33	0.31	0.32	0.35	0.35	0.38	0.39	0.40
Maryland	0.80	0.84	0.83	0.92	0.92	0.98	1.05	1.12	1.15
Massachusetts	0.73	0.84	0.89	0.94	1.00	1.07	1.16	1.20	1.34

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State	1997	1999	2001	2003	2006	2008	2010	2013	2015
Michigan	0.32	0.34	0.36	0.37	0.38	0.37	0.43	0.43	0.46
Minnesota	0.38	0.43	0.42	0.41	0.43	0.46	0.50	0.50	0.53
Mississippi	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.28
Missouri	0.34	0.33	0.32	0.32	0.32	0.35	0.39	0.39	0.41
Montana	0.39	0.34	0.32	0.39	0.42	0.43	0.52	0.48	0.48
Nebraska	0.34	0.29	0.31	0.30	0.32	0.29	0.33	0.30	0.42
Nevada	0.18	0.19	0.19	0.19	0.21	0.22	0.26	0.21	0.23
New Hampshire	0.36	0.35	0.37	0.39	0.35	0.41	0.43	0.41	0.45
New Jersey	0.51	0.53	0.55	0.51	0.49	0.50	0.56	0.55	0.52
New Mexico	0.97	0.97	0.95	0.97	0.93	0.86	0.93	0.95	0.92
New York	0.48	0.49	0.50	0.52	0.51	0.54	0.58	0.60	0.64
North Carolina	0.36	0.40	0.42	0.44	0.45	0.47	0.50	0.50	0.52
North Dakota	0.39	0.38	0.33	0.34	0.39	0.36	0.41	0.38	0.34
Ohio	0.34	0.37	0.36	0.38	0.37	0.37	0.41	0.42	0.45
Oklahoma	0.30	0.26	0.27	0.29	0.27	0.27	0.30	0.28	0.29
Oregon	0.38	0.39	0.41	0.46	0.46	0.48	0.51	0.57	0.75
Pennsylvania	0.42	0.44	0.44	0.48	0.48	0.49	0.54	0.54	0.58
Rhode Island	0.49	0.50	0.51	0.60	0.55	0.53	0.60	0.59	0.58
South Carolina	0.26	0.25	0.28	0.28	0.30	0.32	0.33	0.32	0.29
South Dakota	0.28	0.25	0.25	0.25	0.25	0.30	0.31	0.23	0.24
Tennessee	0.32	0.30	0.33	0.32	0.35	0.35	0.41	0.43	0.38
Texas	0.30	0.32	0.32	0.33	0.33	0.36	0.38	0.36	0.40
Utah	0.46	0.42	0.43	0.37	0.43	0.42	0.47	0.48	0.48
Vermont	0.56	0.54	0.54	0.53	0.49	0.53	0.53	0.54	0.72
Virginia	0.46	0.48	0.49	0.52	0.51	0.54	0.57	0.58	0.60
Washington	0.47	0.45	0.52	0.53	0.54	0.54	0.60	0.63	0.65

State Indicators

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
West Virginia	0.27	0.27	0.25	0.27	0.26	0.26	0.30	0.31	0.30
Wisconsin	0.30	0.30	0.30	0.29	0.33	0.34	0.38	0.39	0.39
Wyoming	0.36	0.30	0.32	0.25	0.27	0.25	0.28	0.38	0.24
Puerto Rico	0.06	0.11	0.12	0.14	0.13	0.17	0.22	0.25	0.31

Note(s):
 Employed SEH doctorate holders are classified by employment location. Workforce represents the employed component of the civilian labor force and is reported as annual data not seasonally adjusted. The national workforce total reported for the United States includes Puerto Rico.

Source(s):
 National Science Foundation, National Center for Science and Engineering Statistics, Survey of Doctorate Recipients (various years), data as of August 2017; U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics (various years), data as of February 2018.

Recommended Citation: National Science Board. 2018. "Employed Science, Engineering, and Health Doctorate Holders as a Percentage of the Workforce." Science and Engineering Indicators 2018, State Indicators. Alexandria, VA: National Science Foundation (NSB-2018-1). <https://www.nsf.gov/statistics/state-indicators/indicator/seh-doctorate-holders-in-workforce>

Last updated: June 7, 2018

Science and Engineering Indicators 2018

State Indicators

Employed SEH doctorate holders

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
United States	517,780	552,950	574,300	592,840	620,700	649,800	690,800	718,100	783,850
Alabama	6,610	5,750	5,330	5,730	5,900	6,000	6,600	6,600	7,350
Alaska	1,110	1,200	1,200	1,140	1,110	1,200	1,400	1,400	1,650
Arizona	6,280	6,500	7,070	7,500	8,410	8,800	9,000	9,900	10,150
Arkansas	2,320	2,700	2,560	2,790	2,840	2,400	2,900	2,800	4,300
California	70,490	77,100	80,870	86,550	87,370	95,700	102,300	106,600	120,200
Colorado	10,740	11,250	11,780	12,220	13,150	13,100	14,800	15,200	16,750
Connecticut	8,770	9,800	9,490	9,780	10,330	10,600	11,300	10,800	11,700
Delaware	3,710	3,700	3,540	3,000	3,110	3,300	3,000	3,400	4,200
District of Columbia	11,800	13,850	14,200	13,800	13,330	13,100	14,900	14,900	17,200
Florida	13,330	14,650	15,740	16,000	17,630	18,600	20,600	22,200	22,200
Georgia	9,880	11,050	11,990	12,220	12,970	13,500	15,200	15,800	16,950
Hawaii	2,550	2,500	2,580	3,040	2,850	3,200	3,000	3,400	3,450
Idaho	2,030	2,050	2,230	2,450	2,840	2,800	2,800	2,900	2,500
Illinois	21,260	22,300	22,110	22,400	24,110	24,200	25,300	24,900	28,050
Indiana	7,570	8,800	9,580	9,590	9,870	10,300	10,900	11,400	12,200
Iowa	4,120	4,350	4,390	4,660	4,890	5,200	5,600	5,600	6,400
Kansas	3,770	3,550	3,970	4,060	4,250	4,300	4,000	4,500	5,100
Kentucky	4,110	4,150	4,590	4,720	4,960	4,800	5,100	5,400	5,350
Louisiana	5,360	5,450	5,290	5,420	5,480	5,200	5,300	5,200	5,700
Maine	2,150	2,150	1,990	2,110	2,350	2,300	2,400	2,600	2,600
Maryland	21,020	22,350	22,730	25,280	26,160	28,100	29,800	32,600	34,250
Massachusetts	23,330	27,250	29,100	30,220	32,400	35,000	36,900	39,300	45,750
Michigan	15,050	16,600	17,380	17,130	17,900	16,700	18,000	18,700	20,850

State Indicators

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
Minnesota	9,810	11,400	11,410	11,110	11,800	12,600	13,700	14,100	15,300
Mississippi	3,000	3,100	3,170	3,120	3,310	3,300	3,300	3,400	3,350
Missouri	9,490	9,400	9,280	9,080	9,300	10,000	10,700	11,100	12,100
Montana	1,690	1,500	1,440	1,740	1,990	2,100	2,400	2,300	2,400
Nebraska	3,010	2,650	2,890	2,820	2,970	2,800	3,100	2,900	4,150
Nevada	1,620	1,850	2,030	2,070	2,620	2,800	3,000	2,600	3,000
New Hampshire	2,230	2,300	2,470	2,640	2,470	2,900	3,000	2,900	3,200
New Jersey	20,440	21,700	22,740	20,980	20,810	21,300	23,000	23,000	22,200
New Mexico	7,480	7,650	7,750	8,120	8,300	7,800	8,000	8,200	7,950
New York	40,080	42,700	43,980	44,890	45,850	49,000	50,900	53,600	58,150
North Carolina	13,730	15,700	16,760	17,380	18,910	20,100	20,600	21,700	23,550
North Dakota	1,350	1,250	1,080	1,130	1,380	1,300	1,500	1,500	1,350
Ohio	18,700	20,200	20,070	20,870	20,540	20,800	21,700	22,100	24,300
Oklahoma	4,580	4,150	4,360	4,640	4,420	4,500	4,900	4,700	5,000
Oregon	6,210	6,650	7,040	7,830	8,270	8,700	9,100	10,000	14,050
Pennsylvania	23,940	25,350	26,140	27,820	29,120	30,000	31,300	32,000	35,300
Rhode Island	2,450	2,600	2,640	3,170	3,020	2,800	3,000	3,000	3,000
South Carolina	4,780	4,700	5,130	5,210	5,910	6,300	6,400	6,400	6,100
South Dakota	1,060	1,000	1,000	1,020	1,050	1,300	1,300	1,000	1,050
Tennessee	8,520	8,100	8,980	8,840	9,980	10,100	11,500	12,200	11,000
Texas	28,570	31,250	32,490	33,280	36,000	39,900	42,400	43,700	49,400
Utah	4,800	4,550	4,820	4,240	5,520	5,600	5,900	6,500	6,800
Vermont	1,750	1,750	1,750	1,770	1,690	1,800	1,800	1,800	2,400
Virginia	15,250	16,600	17,460	18,880	19,850	21,300	22,000	23,100	24,300
Washington	13,360	13,250	14,760	15,430	16,920	17,700	18,900	20,400	21,600
West Virginia	1,980	2,050	1,890	1,980	2,000	2,000	2,200	2,300	2,150



State Indicators

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
Wisconsin	8,460	8,450	8,720	8,390	9,530	9,900	10,600	11,200	11,450
Wyoming	860	750	840	650	730	700	800	1,100	700
Puerto Rico	660	1,250	1,410	1,710	1,690	2,000	2,300	2,500	3,100

Science and Engineering Indicators 2018

State Indicators

Employed workers

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
United States	119,842,527	119,007,266	119,976,330	121,939,766	124,933,938	127,139,828	129,259,395	132,122,309	134,293,312	136,288,381
Alabama	1,778,143	1,779,490	1,816,526	1,856,754	1,900,856	1,943,878	1,977,334	2,027,064	2,042,291	2,038,889
Alaska	249,038	252,921	261,624	272,709	279,471	281,889	286,252	290,845	295,823	297,354
Arizona	1,691,876	1,697,675	1,732,327	1,824,253	1,974,779	2,109,900	2,157,966	2,202,911	2,284,323	2,363,084
Arkansas	1,053,833	1,045,529	1,072,508	1,105,538	1,153,107	1,178,835	1,183,048	1,177,521	1,177,122	1,197,320
California	14,264,158	13,960,003	13,880,944	13,817,032	13,944,739	14,048,225	14,300,443	14,784,636	15,184,470	15,555,278
Colorado	1,671,823	1,700,069	1,734,715	1,828,679	1,952,999	2,039,647	2,063,318	2,140,797	2,227,846	2,272,197
Connecticut	1,726,482	1,720,656	1,689,684	1,676,578	1,657,825	1,639,060	1,645,952	1,664,912	1,682,342	1,704,134
Delaware	343,199	339,303	347,253	357,777	366,324	369,200	368,254	372,144	380,250	385,190
District of Columbia	308,281	296,477	289,953	288,925	285,776	273,768	263,163	260,105	267,312	286,650
Florida	6,068,832	6,040,216	6,108,967	6,274,934	6,499,945	6,656,533	6,800,128	7,015,836	7,196,659	7,359,460
Georgia	3,104,564	3,108,166	3,164,618	3,271,285	3,406,072	3,504,765	3,632,917	3,779,217	3,898,825	3,990,393
Hawaii	536,216	555,187	558,936	560,114	552,917	552,009	558,167	563,580	564,957	570,394
Idaho	465,255	476,505	497,372	520,963	555,338	568,218	584,137	601,135	616,282	619,237
Illinois	5,581,864	5,513,326	5,552,539	5,620,733	5,755,545	5,855,655	5,917,463	5,999,611	6,066,484	6,186,543
Indiana	2,666,066	2,626,154	2,669,811	2,789,531	2,915,071	2,991,096	2,983,209	3,011,304	3,026,444	3,029,834
Iowa	1,387,668	1,406,164	1,444,325	1,496,789	1,523,726	1,532,400	1,551,711	1,552,946	1,552,120	1,555,090
Kansas	1,217,887	1,223,430	1,250,194	1,266,875	1,282,791	1,290,159	1,300,384	1,329,751	1,366,403	1,378,867
Kentucky	1,649,657	1,634,245	1,656,436	1,691,208	1,727,832	1,755,029	1,771,621	1,814,492	1,844,022	1,870,873
Louisiana	1,753,951	1,768,610	1,767,337	1,753,214	1,790,627	1,821,954	1,857,715	1,899,922	1,932,134	1,935,457
Maine	599,506	596,503	597,355	583,220	578,254	599,534	622,580	623,530	623,793	642,085
Maryland	2,474,509	2,456,823	2,471,212	2,494,151	2,540,242	2,574,394	2,602,334	2,629,577	2,642,210	2,667,341
Massachusetts	3,004,470	2,919,503	2,912,028	2,952,583	3,007,359	3,044,696	3,097,563	3,176,134	3,230,442	3,247,012
Michigan	4,255,772	4,172,673	4,258,246	4,400,201	4,519,538	4,558,922	4,638,837	4,743,163	4,824,324	4,925,999

State Indicators

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Minnesota	2,284,147	2,302,626	2,342,262	2,391,535	2,452,054	2,506,965	2,547,696	2,591,975	2,638,721	2,680,029
Mississippi	1,094,036	1,082,959	1,094,539	1,134,735	1,170,396	1,180,514	1,188,212	1,200,208	1,207,745	1,220,702
Missouri	2,462,267	2,471,095	2,487,204	2,517,067	2,630,692	2,728,231	2,769,622	2,800,544	2,794,971	2,809,325
Montana	379,100	377,804	389,391	397,102	409,630	418,081	425,468	428,555	434,868	439,993
Nebraska	805,708	814,020	823,384	840,575	862,936	878,414	889,438	898,310	907,202	911,444
Nevada	638,342	661,785	683,228	716,242	761,851	797,192	846,416	898,496	937,387	979,646
New Hampshire	585,013	569,453	569,430	579,593	595,329	606,153	613,822	627,666	643,056	656,962
New Jersey	3,850,728	3,793,819	3,723,909	3,713,835	3,782,009	3,857,473	3,946,654	4,039,773	4,051,531	4,094,559
New Mexico	666,908	673,403	688,598	705,726	730,712	746,645	754,003	771,069	783,831	789,677
New York	8,343,353	8,108,261	7,997,602	8,026,518	8,075,912	8,112,684	8,237,123	8,432,577	8,562,174	8,654,586
North Carolina	3,333,977	3,333,518	3,386,088	3,446,119	3,524,897	3,601,621	3,733,519	3,834,296	3,851,970	3,927,179
North Dakota	304,436	301,479	300,939	310,061	324,314	329,348	337,412	341,823	339,414	332,180
Ohio	5,114,242	5,080,289	5,097,104	5,136,613	5,239,265	5,320,351	5,362,986	5,431,051	5,460,917	5,508,439
Oklahoma	1,436,914	1,412,364	1,425,792	1,442,202	1,462,579	1,484,470	1,516,423	1,544,175	1,567,803	1,597,894
Oregon	1,408,687	1,420,124	1,439,531	1,487,375	1,557,373	1,590,664	1,621,602	1,651,241	1,677,740	1,694,881
Pennsylvania	5,510,435	5,442,516	5,462,170	5,491,547	5,523,612	5,562,508	5,653,830	5,746,071	5,783,197	5,810,162
Rhode Island	492,002	473,648	479,904	481,774	478,567	479,080	488,009	500,704	508,064	515,760
South Carolina	1,659,997	1,650,987	1,668,893	1,696,624	1,728,300	1,760,567	1,783,783	1,824,147	1,867,808	1,897,056
South Dakota	334,087	337,762	344,908	353,208	365,796	375,564	378,883	382,116	388,291	395,047
Tennessee	2,266,764	2,250,608	2,297,364	2,380,485	2,531,129	2,591,472	2,623,757	2,639,198	2,691,517	2,739,189
Texas	8,073,257	8,160,512	8,317,300	8,530,187	8,793,183	8,997,538	9,165,916	9,395,537	9,603,021	9,767,851
Utah	786,073	812,206	845,770	902,780	953,282	977,294	1,003,979	1,036,156	1,060,663	1,081,276
Vermont	289,509	283,676	288,803	296,457	301,185	306,140	310,043	315,053	322,398	326,979
Virginia	3,107,094	3,142,207	3,186,823	3,201,717	3,262,236	3,295,134	3,268,553	3,314,344	3,383,752	3,443,020
Washington	2,392,891	2,384,323	2,442,480	2,494,999	2,559,932	2,630,220	2,710,214	2,835,517	2,904,286	2,935,202
West Virginia	697,633	694,101	690,770	697,021	713,372	722,870	735,701	741,865	742,528	752,379



State Indicators

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Wisconsin	2,476,626	2,476,926	2,549,773	2,623,303	2,701,755	2,773,322	2,827,094	2,864,372	2,870,031	2,855,212
Wyoming	223,437	223,326	225,504	229,895	238,226	243,076	243,205	241,684	245,490	250,605
Puerto Rico	971,815	981,845	991,960	1,010,431	1,032,283	1,076,473	1,111,538	1,132,658	1,136,060	1,142,466

Science and Engineering Indicators 2018

State Indicators

Employed workers

State	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
United States	138,065,585	138,106,700	137,615,237	138,129,001	139,818,439	142,222,731	145,000,042	146,388,400	146,047,745	140,696,561
Alabama	2,035,594	2,006,884	1,981,919	1,992,732	2,014,889	2,049,791	2,080,233	2,089,127	2,053,477	1,924,747
Alaska	299,146	300,731	302,580	305,723	311,643	320,811	326,542	328,579	332,285	331,792
Arizona	2,410,581	2,461,498	2,516,006	2,578,854	2,655,428	2,748,372	2,864,385	2,917,117	2,913,903	2,817,577
Arkansas	1,204,695	1,191,273	1,201,422	1,196,299	1,226,123	1,275,448	1,294,906	1,296,572	1,300,017	1,252,399
California	16,033,179	16,197,671	16,108,685	16,102,840	16,303,996	16,582,651	16,789,422	16,931,590	16,854,482	16,182,572
Colorado	2,294,408	2,300,113	2,307,685	2,338,207	2,393,559	2,435,082	2,509,729	2,565,218	2,585,243	2,524,443
Connecticut	1,721,913	1,704,774	1,697,127	1,687,924	1,686,213	1,709,382	1,749,191	1,773,159	1,774,681	1,740,971
Delaware	398,027	407,033	400,019	397,472	403,599	414,465	425,399	428,312	424,914	401,312
District of Columbia	293,086	290,811	286,496	285,454	287,683	295,484	297,786	304,426	309,192	304,500
Florida	7,565,981	7,669,117	7,656,349	7,783,148	8,049,908	8,398,974	8,709,522	8,789,770	8,637,164	8,148,123
Georgia	4,071,557	4,089,559	4,110,874	4,182,521	4,239,065	4,341,223	4,489,128	4,597,640	4,575,010	4,311,854
Hawaii	580,214	583,187	575,594	578,323	590,156	608,957	621,573	620,535	612,120	586,522
Idaho	628,844	643,280	646,549	651,335	668,441	702,291	721,346	731,235	716,653	690,722
Illinois	6,211,404	6,113,677	5,933,897	5,874,608	5,933,127	6,033,913	6,230,845	6,334,010	6,238,611	5,943,229
Indiana	3,029,073	3,007,507	3,006,811	3,014,655	2,998,068	3,029,959	3,072,113	3,061,042	3,041,828	2,864,985
Iowa	1,548,636	1,559,241	1,572,560	1,534,489	1,529,761	1,560,169	1,596,530	1,599,332	1,608,695	1,579,248
Kansas	1,356,147	1,332,034	1,341,603	1,357,867	1,383,867	1,392,024	1,402,796	1,420,449	1,430,628	1,413,873
Kentucky	1,883,714	1,857,238	1,833,535	1,839,873	1,857,816	1,881,943	1,913,472	1,922,220	1,900,683	1,847,126
Louisiana	1,929,056	1,911,818	1,881,146	1,888,974	1,916,536	1,921,385	1,899,981	1,944,038	1,982,381	1,923,884
Maine	655,349	648,545	645,935	649,571	654,161	663,132	669,554	667,781	663,158	639,954
Maryland	2,703,284	2,724,184	2,742,501	2,754,523	2,766,475	2,803,487	2,849,354	2,867,348	2,874,987	2,820,245
Massachusetts	3,240,245	3,255,134	3,250,085	3,226,981	3,220,838	3,220,089	3,246,316	3,268,096	3,261,408	3,189,010
Michigan	4,976,322	4,854,630	4,702,399	4,667,103	4,705,591	4,738,902	4,721,085	4,658,939	4,529,289	4,233,803

State Indicators

State	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Minnesota	2,724,118	2,737,961	2,731,080	2,734,287	2,745,615	2,762,733	2,772,115	2,773,704	2,766,342	2,713,426
Mississippi	1,248,240	1,222,500	1,201,191	1,219,145	1,232,187	1,218,825	1,205,906	1,224,059	1,220,991	1,148,930
Missouri	2,853,891	2,862,838	2,839,467	2,850,987	2,838,872	2,847,006	2,882,757	2,879,647	2,842,845	2,766,711
Montana	444,137	444,909	446,640	449,266	457,423	464,907	476,377	484,189	483,347	466,713
Nebraska	918,370	921,003	919,401	926,315	932,515	935,906	939,874	949,494	956,759	945,648
Nevada	1,022,462	1,054,262	1,066,121	1,088,787	1,126,943	1,173,709	1,233,287	1,270,572	1,272,187	1,196,758
New Hampshire	669,621	673,778	670,880	677,030	689,150	700,026	706,777	712,008	714,104	697,802
New Jersey	4,123,717	4,106,225	4,095,174	4,093,686	4,138,830	4,194,895	4,236,485	4,251,815	4,263,965	4,138,570
New Mexico	804,103	815,642	826,086	837,667	852,612	871,248	889,448	898,998	902,411	869,491
New York	8,718,749	8,709,897	8,705,352	8,672,909	8,812,618	8,986,859	9,077,529	9,088,207	9,139,080	8,844,486
North Carolina	3,986,151	3,966,798	3,906,570	3,984,596	4,019,809	4,091,039	4,234,095	4,300,304	4,281,713	4,087,105
North Dakota	332,407	331,820	327,957	331,852	340,403	343,508	349,821	355,766	359,333	353,455
Ohio	5,556,757	5,567,130	5,516,645	5,505,858	5,502,444	5,541,082	5,624,435	5,657,718	5,580,843	5,297,098
Oklahoma	1,610,099	1,614,572	1,608,106	1,593,521	1,607,421	1,627,110	1,647,098	1,655,490	1,681,081	1,652,023
Oregon	1,725,744	1,706,904	1,697,237	1,695,906	1,703,703	1,731,845	1,785,044	1,822,772	1,827,352	1,753,682
Pennsylvania	5,854,551	5,881,688	5,868,607	5,821,711	5,876,997	5,940,570	6,006,634	6,064,063	6,109,645	5,885,351
Rhode Island	521,313	519,044	522,832	530,567	529,893	537,194	544,357	543,401	525,941	504,951
South Carolina	1,918,583	1,847,939	1,835,823	1,859,765	1,894,141	1,929,233	1,973,337	2,005,686	1,996,409	1,910,670
South Dakota	398,618	400,031	404,239	408,088	411,762	414,209	421,483	430,011	432,925	423,993
Tennessee	2,733,281	2,730,988	2,756,086	2,748,140	2,725,108	2,743,383	2,878,455	2,920,352	2,853,746	2,733,113
Texas	9,929,387	10,011,046	10,065,870	10,185,312	10,338,484	10,523,257	10,774,490	10,941,413	11,104,115	11,008,903
Utah	1,103,807	1,112,607	1,116,067	1,132,554	1,169,795	1,220,617	1,279,328	1,324,060	1,322,089	1,266,009
Vermont	322,129	325,889	329,427	331,122	334,899	338,553	343,865	339,547	338,273	336,104
Virginia	3,522,865	3,551,375	3,569,570	3,599,264	3,650,269	3,757,592	3,855,633	3,914,087	3,970,428	3,842,516
Washington	2,901,492	2,847,875	2,854,762	2,895,863	2,996,795	3,082,399	3,156,626	3,243,308	3,291,309	3,211,649
West Virginia	764,711	768,661	752,548	738,990	741,890	750,561	766,399	773,990	777,560	751,165



State Indicators

State	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Wisconsin	2,868,382	2,875,585	2,861,621	2,879,779	2,882,064	2,878,086	2,914,150	2,936,452	2,940,438	2,834,335
Wyoming	256,414	259,089	258,650	261,970	264,321	266,630	272,336	278,486	284,310	281,150
Puerto Rico	1,161,033	1,128,704	1,159,455	1,184,589	1,204,535	1,221,818	1,270,693	1,232,266	1,187,398	1,101,862

Science and Engineering Indicators 2018

State Indicators

Employed workers

State	2010	2011	2012	2013	2014	2015	2016	2017
United States	140,469,137	141,791,252	143,621,629	145,017,558	147,446,670	149,733,742	152,169,824	154,577,363
Alabama	1,964,559	1,990,413	2,003,290	2,017,043	2,015,087	2,025,949	2,045,624	2,073,106
Alaska	333,416	338,161	339,474	339,801	340,585	340,132	337,947	336,806
Arizona	2,769,454	2,748,470	2,776,349	2,794,697	2,878,611	2,962,245	3,052,788	3,151,405
Arkansas	1,242,496	1,249,514	1,241,127	1,226,859	1,237,316	1,265,166	1,289,549	1,304,434
California	16,091,945	16,258,133	16,602,672	16,958,403	17,351,318	17,724,799	18,048,827	18,393,077
Colorado	2,486,404	2,507,265	2,539,941	2,577,556	2,659,474	2,715,059	2,798,928	2,907,468
Connecticut	1,737,449	1,745,967	1,729,838	1,717,764	1,767,282	1,787,434	1,806,575	1,828,858
Delaware	397,869	410,086	413,457	413,119	427,386	444,404	452,434	455,427
District of Columbia	313,508	315,171	331,984	342,351	348,981	361,324	370,521	376,633
Florida	8,193,659	8,371,638	8,588,669	8,770,084	8,979,399	9,104,357	9,373,059	9,680,820
Georgia	4,202,052	4,263,305	4,348,083	4,366,374	4,416,145	4,503,150	4,662,849	4,821,622
Hawaii	602,282	615,319	608,302	619,691	637,661	651,459	664,032	669,241
Idaho	692,826	701,466	713,704	723,636	741,525	761,009	782,279	807,163
Illinois	5,937,047	5,948,366	5,990,644	5,956,749	6,047,243	6,119,271	6,169,560	6,170,676
Indiana	2,845,608	2,891,945	2,905,549	2,944,275	3,032,693	3,109,362	3,180,104	3,203,351
Iowa	1,577,447	1,570,177	1,569,879	1,594,891	1,628,505	1,637,118	1,634,964	1,626,036
Kansas	1,394,958	1,394,082	1,400,122	1,407,217	1,424,016	1,427,731	1,425,413	1,425,216
Kentucky	1,844,650	1,862,928	1,891,162	1,890,879	1,874,516	1,872,326	1,909,158	1,952,066
Louisiana	1,919,852	1,911,021	1,933,137	1,960,539	2,016,083	2,025,661	1,997,358	2,004,003
Maine	638,630	644,085	650,117	658,522	657,066	653,330	665,911	677,141
Maryland	2,838,492	2,872,084	2,902,307	2,923,498	2,947,943	2,990,942	3,037,763	3,086,246
Massachusetts	3,190,818	3,217,754	3,252,531	3,276,792	3,361,811	3,415,874	3,471,112	3,521,482
Michigan	4,194,041	4,198,349	4,246,658	4,308,030	4,409,394	4,493,447	4,599,266	4,657,272

State Indicators

State	2010	2011	2012	2013	2014	2015	2016	2017
Minnesota	2,721,194	2,755,264	2,781,141	2,811,762	2,849,017	2,887,683	2,919,097	2,957,838
Mississippi	1,170,879	1,208,747	1,198,196	1,163,752	1,154,058	1,182,779	1,204,481	1,215,115
Missouri	2,763,535	2,789,224	2,815,275	2,817,435	2,861,721	2,923,107	2,939,309	2,936,126
Montana	463,998	466,403	476,174	483,071	487,629	495,298	499,990	504,279
Nebraska	947,360	959,059	974,428	979,937	978,377	977,279	977,622	977,444
Nevada	1,174,774	1,194,264	1,222,710	1,248,122	1,284,292	1,318,024	1,348,265	1,389,372
New Hampshire	695,135	696,532	700,371	703,534	708,977	716,874	725,154	726,607
New Jersey	4,121,455	4,138,464	4,159,986	4,173,828	4,221,267	4,274,695	4,305,516	4,309,706
New Mexico	860,154	860,305	861,617	859,804	865,229	867,387	866,704	872,382
New York	8,769,723	8,728,057	8,793,385	8,913,788	8,984,074	9,136,151	9,200,266	9,249,225
North Carolina	4,115,629	4,157,543	4,245,675	4,318,114	4,402,450	4,495,190	4,608,229	4,716,832
North Dakota	364,053	375,153	385,674	394,392	403,362	402,667	401,671	403,610
Ohio	5,247,050	5,261,238	5,284,001	5,290,609	5,370,560	5,414,872	5,451,315	5,491,174
Oklahoma	1,648,138	1,668,418	1,709,258	1,706,861	1,715,600	1,749,626	1,741,277	1,755,604
Oregon	1,773,076	1,804,320	1,780,790	1,760,302	1,804,417	1,867,407	1,951,218	2,017,292
Pennsylvania	5,840,887	5,888,745	5,957,314	5,967,811	6,021,005	6,080,219	6,105,223	6,111,633
Rhode Island	503,216	498,248	500,434	505,370	513,121	521,255	524,745	529,867
South Carolina	1,915,045	1,945,900	1,985,618	2,023,642	2,079,565	2,134,244	2,179,521	2,213,894
South Dakota	419,355	420,054	423,501	426,284	431,139	435,450	438,377	440,028
Tennessee	2,792,063	2,844,662	2,857,945	2,828,479	2,824,016	2,890,640	2,987,074	3,080,210
Texas	11,244,632	11,535,095	11,818,675	12,052,646	12,360,368	12,493,197	12,702,122	12,960,595
Utah	1,249,814	1,259,337	1,298,807	1,341,192	1,373,801	1,411,194	1,459,309	1,510,208
Vermont	337,488	338,463	337,284	334,964	333,438	332,199	333,399	334,378
Virginia	3,860,386	3,934,326	3,967,987	3,995,182	4,022,160	4,029,043	4,069,139	4,146,134
Washington	3,160,544	3,140,190	3,189,271	3,219,842	3,275,753	3,345,496	3,444,126	3,547,430
West Virginia	740,910	741,972	747,384	744,410	735,511	727,758	733,980	738,309



State Indicators

State	2010	2011	2012	2013	2014	2015	2016	2017
Wisconsin	2,814,393	2,840,996	2,857,418	2,871,997	2,915,848	2,953,622	3,005,478	3,048,242
Wyoming	283,744	289,019	290,932	292,131	293,657	291,686	285,052	281,017
Puerto Rico	1,061,047	1,025,558	1,021,387	999,531	976,224	987,153	986,142	983,264

Science and Engineering Indicators 2018