

State Indicators

S-51 Patents Awarded per 1,000 Individuals in Science and Engineering Occupations

Description

This indicator represents state patent activity normalized to the size of its S&E workforce, specifically employees in S&E occupations. People in S&E occupations include engineers; computer, mathematical, life, physical, and social scientists; and postsecondary teachers in these fields. Managers, technicians, elementary and secondary schoolteachers, and medical personnel are not included.

Although the U.S. Patent and Trademark Office grants several types of patents, this indicator covers only utility patents, commonly known as patents for inventions. Utility patents can be granted for any new, nonobvious, useful, or improved method, process, machine, device, manufactured item, or chemical compound and represent a key measure of intellectual property. Patents were fractionally allocated among states based on the proportion of residences of all named inventors.

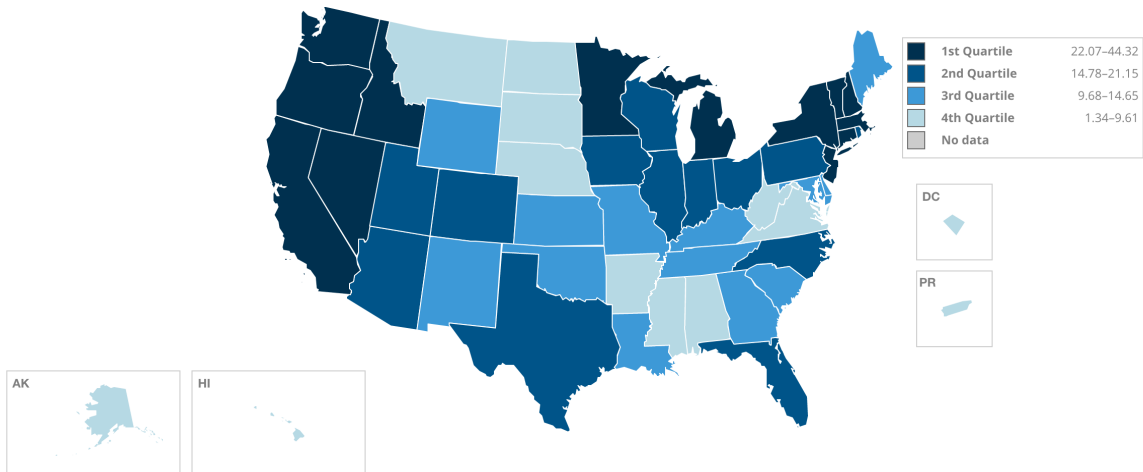
Data on individuals in S&E occupations come from the Bureau of Labor Statistics (BLS) Occupational Employment Statistics Survey, a survey of workplaces that assigns workers to a state based on where they work. Estimates are developed by BLS from data provided by state workforce agencies and do not include self-employed persons. Situations in which workers live in one state and work in another introduce some imprecision into the calculation of this indicator. Estimates for states with smaller populations are generally less precise than estimates for states with larger populations.

Data sources: Science-Metrix, special tabulation from U.S. Patent and Trademark Office data in PatentsView; U.S. Department of Labor, Bureau of Labor Statistics, Occupational Employment Statistics Survey.

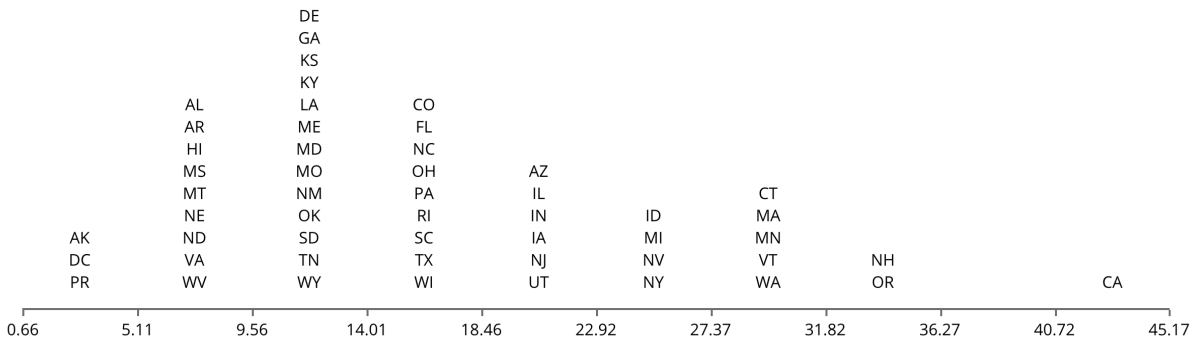
State Indicators

S-51 Patents Awarded per 1,000 Individuals in Science and Engineering Occupations

2017



Distribution of states across indicator values, 2017



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

Patents Awarded per 1,000 Individuals in Science and Engineering Occupations

(Patents)

| State | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| United States | 17.66 | 16.23 | 14.20 | 16.53 | 14.16 | 13.35 | 14.17 | 19.32 | 18.66 | 20.19 |
| Alabama | 7.22 | 6.21 | 5.10 | 5.57 | 4.38 | 3.83 | 4.37 | 6.63 | 5.22 | 5.94 |
| Alaska | 3.77 | 4.42 | 3.47 | 3.26 | 1.50 | 1.43 | 2.64 | 1.81 | 1.91 | 1.91 |
| Arizona | 16.97 | 16.16 | 14.87 | 17.01 | 15.24 | 15.20 | 14.99 | 18.83 | 17.32 | 18.64 |
| Arkansas | 7.31 | 5.50 | 4.95 | 5.79 | 4.04 | 3.79 | 3.02 | 4.90 | 4.67 | 6.03 |
| California | 29.10 | 27.68 | 24.98 | NA | 25.98 | 24.23 | 25.91 | 35.92 | 35.06 | 38.96 |
| Colorado | 16.59 | 16.48 | 14.66 | 15.85 | 12.57 | 10.96 | 11.55 | 14.98 | 14.38 | 16.27 |
| Connecticut | 20.37 | 18.46 | 17.86 | 20.90 | 17.19 | 16.42 | 17.64 | 24.44 | 25.03 | 26.88 |
| Delaware | 20.09 | 19.27 | 18.32 | 17.03 | 15.22 | 13.75 | 14.19 | 17.97 | 19.44 | 19.07 |
| District of Columbia | 0.98 | 1.20 | 0.88 | 1.08 | 1.14 | 0.98 | 0.93 | 1.35 | 1.55 | 1.67 |
| Florida | 11.39 | 10.26 | 9.36 | 10.43 | 9.45 | 8.11 | 8.73 | 12.11 | 12.47 | 14.50 |
| Georgia | 9.27 | 9.53 | 8.79 | 10.82 | 9.49 | 9.08 | NA | 13.08 | 13.16 | 14.26 |
| Hawaii | 4.54 | 4.48 | 2.92 | 4.59 | 3.74 | 4.30 | 3.84 | 6.36 | 4.63 | 5.59 |
| Idaho | 81.26 | 77.83 | 63.74 | NA | 55.40 | 49.85 | 40.05 | 45.17 | 40.12 | 36.82 |
| Illinois | 15.55 | 14.35 | 12.29 | 14.43 | 12.74 | 12.12 | 13.00 | 18.38 | 18.57 | 19.46 |
| Indiana | 17.68 | 15.85 | 13.87 | 14.87 | 13.71 | 11.10 | 12.21 | 16.58 | 15.56 | 18.51 |
| Iowa | 17.47 | 16.00 | 13.85 | 15.16 | 13.12 | 11.69 | 13.85 | 16.90 | 16.49 | 16.88 |
| Kansas | 8.14 | 8.30 | 7.28 | 9.87 | 8.25 | 7.48 | 7.63 | 12.52 | 13.29 | 19.24 |
| Kentucky | 9.60 | 9.47 | 7.70 | 9.31 | 8.81 | NA | 7.15 | 10.99 | 9.10 | 10.30 |
| Louisiana | 9.45 | 8.40 | 6.65 | 8.16 | 6.79 | 6.15 | 6.07 | 6.81 | 7.44 | 7.82 |
| Maine | 9.92 | 9.08 | 9.81 | 9.03 | 7.08 | 6.94 | 6.42 | 11.56 | 10.01 | 11.33 |
| Maryland | 9.62 | 8.39 | 7.43 | 8.70 | 7.42 | 7.09 | 7.42 | 9.40 | 8.67 | 9.01 |
| Massachusetts | 21.18 | 19.21 | 16.04 | 20.01 | 17.12 | 16.15 | 17.06 | 23.64 | 23.25 | 24.75 |

State Indicators

| State | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Michigan | 21.21 | 19.82 | 17.33 | 17.88 | 14.82 | 14.53 | 15.77 | 21.51 | 20.82 | 22.93 |
| Minnesota | 25.09 | 22.98 | 19.87 | 23.42 | 19.81 | 19.03 | 19.45 | 28.58 | 29.58 | 29.76 |
| Mississippi | 6.99 | 5.83 | 4.98 | 4.98 | 5.49 | 3.85 | 5.05 | 6.56 | 6.66 | 6.35 |
| Missouri | 10.01 | 8.38 | 6.94 | 7.63 | 6.71 | 5.84 | 6.82 | 9.44 | 8.23 | 9.51 |
| Montana | 10.66 | 10.31 | 8.21 | 9.22 | 8.08 | NA | 5.63 | 6.91 | 6.62 | 8.27 |
| Nebraska | 5.89 | 6.05 | 5.55 | 5.54 | 6.52 | 5.97 | 6.04 | 6.82 | 6.18 | 8.24 |
| Nevada | 17.11 | 16.90 | 15.53 | 14.18 | 13.48 | 13.74 | 12.37 | 19.86 | 19.53 | 27.67 |
| New Hampshire | 28.68 | 24.94 | 18.55 | 22.15 | 19.02 | 16.57 | 17.97 | 25.27 | 25.63 | 25.42 |
| New Jersey | 21.49 | 17.02 | 14.40 | 17.65 | 14.27 | 13.47 | 14.25 | 20.69 | 20.93 | 23.21 |
| New Mexico | 11.34 | 11.50 | 8.18 | 11.33 | 8.61 | 8.25 | 8.39 | 11.96 | 11.15 | 12.43 |
| New York | 22.81 | 20.52 | 16.24 | 18.19 | 15.37 | 14.95 | 16.49 | NA | 22.27 | 23.56 |
| North Carolina | 14.08 | 13.07 | 11.91 | 14.09 | 12.08 | 11.86 | 12.69 | 17.00 | 16.51 | 17.77 |
| North Dakota | 6.88 | 6.62 | 8.38 | 7.26 | 7.87 | 6.67 | 8.06 | 9.41 | 7.54 | 7.39 |
| Ohio | 17.85 | 15.93 | 12.84 | 14.10 | 11.40 | 10.76 | 11.22 | 16.42 | 15.21 | NA |
| Oklahoma | 11.68 | 9.74 | 8.76 | 10.87 | 9.06 | 8.45 | 9.01 | 11.70 | 10.36 | 9.24 |
| Oregon | 27.39 | 26.63 | 26.31 | 32.15 | 27.79 | 25.76 | 25.58 | NA | NA | 27.36 |
| Pennsylvania | 17.18 | 14.58 | 11.42 | 13.29 | 11.41 | 10.78 | NA | NA | NA | NA |
| Rhode Island | 14.83 | 15.36 | 14.27 | 15.34 | 13.59 | 11.72 | 11.42 | 14.06 | 14.29 | 14.97 |
| South Carolina | 11.84 | 10.25 | 9.08 | 10.76 | 7.72 | 6.68 | 8.04 | 9.19 | 10.70 | 13.08 |
| South Dakota | 8.85 | 8.50 | 7.29 | 7.31 | 5.02 | 4.38 | 3.98 | 6.64 | 8.14 | 10.00 |
| Tennessee | 12.61 | 10.57 | 8.84 | 9.92 | 8.75 | 7.89 | 9.21 | 12.72 | 12.52 | 11.51 |
| Texas | 16.31 | 15.35 | 13.51 | 15.26 | 12.96 | 12.26 | 12.47 | 16.62 | 16.01 | 16.81 |
| Utah | 14.04 | 15.16 | 12.30 | 14.09 | 12.45 | 12.19 | 14.78 | 19.79 | 20.31 | 20.72 |
| Vermont | 38.53 | 32.29 | 28.43 | 34.04 | 35.50 | 34.79 | 34.19 | 50.67 | 39.16 | 38.23 |
| Virginia | 5.29 | 4.66 | 4.06 | 4.37 | 3.94 | 4.02 | 4.09 | 6.26 | 5.93 | 6.19 |
| Washington | 15.06 | 14.19 | 14.13 | 18.88 | 17.33 | NA | 21.84 | 28.14 | 24.13 | NA |

State Indicators

| State | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| West Virginia | 8.45 | 6.32 | 5.74 | 5.95 | 6.10 | 4.47 | 5.87 | 7.03 | 5.52 | 6.68 |
| Wisconsin | 18.87 | 17.42 | 15.77 | 17.42 | 14.04 | 13.25 | 14.29 | 18.43 | 17.32 | 17.52 |
| Wyoming | 11.09 | 7.18 | 6.26 | 6.28 | 6.54 | 4.29 | 6.73 | 9.69 | 7.46 | 11.83 |
| Puerto Rico | 1.35 | 0.87 | 1.19 | 1.13 | 1.27 | 0.74 | 0.66 | 1.25 | 1.24 | 1.70 |

NA = not available

Note(s):

Patents were fractionally allocated among regions/countries/economies based on the proportion of residences of all named inventors. The total for the United States reported here includes Puerto Rico, as well as patents for which the location could not be determined. Occupational Employment Statistics (OES) estimates for 2004 and earlier are based on November data

Source(s):

Science-Metrix, special tabulations (2019) from U.S. Patent and Trademark Office data in PatentsView; U.S. Department of Labor, Bureau of Labor Statistics, special tabulations of the Occupational Employment Statistics Survey (various years), data as of May 2018.

Recommended Citation: National Science Board. 2018. "Patents Awarded per 1,000 Individuals in Science and Engineering Occupations." Science and Engineering Indicators 2018, State Indicators. Alexandria, VA: National Science Foundation (NSB-2018-1). <https://www.nsf.gov/statistics/state-indicators/indicator/patents-per-1000-se-occupation-holders>

Last updated: March 4, 2019

Science and Engineering Indicators 2018

State Indicators

Patents Awarded per 1,000 Individuals in Science and Engineering Occupations

(Patents)

| State | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------|-------|-------|-------|-------|-------|
| United States | 21.69 | 22.80 | 21.50 | 21.23 | 21.84 |
| Alabama | 6.74 | 6.69 | 6.64 | 7.04 | 6.78 |
| Alaska | 3.35 | 3.62 | 2.87 | 4.04 | 3.98 |
| Arizona | 17.89 | 19.51 | 18.68 | 19.39 | 19.75 |
| Arkansas | 5.38 | 6.49 | 6.75 | 7.08 | 7.20 |
| California | 42.48 | 45.98 | NA | 43.66 | 44.32 |
| Colorado | 18.06 | 19.45 | 17.90 | 17.38 | 17.61 |
| Connecticut | 27.75 | 29.00 | 27.36 | 28.51 | 29.99 |
| Delaware | 21.74 | 20.41 | 16.97 | 14.10 | 12.20 |
| District of Columbia | 1.94 | 2.24 | 1.86 | 1.83 | 2.31 |
| Florida | 15.50 | 16.14 | 14.62 | 14.54 | 14.78 |
| Georgia | 15.43 | 15.65 | NA | 12.67 | 12.99 |
| Hawaii | 5.72 | 5.93 | 5.65 | 5.97 | 5.33 |
| Idaho | 38.53 | 38.62 | 30.93 | 26.30 | 24.89 |
| Illinois | 20.30 | 21.83 | 20.49 | 19.01 | 19.59 |
| Indiana | 18.88 | 20.03 | 19.77 | 19.46 | 20.94 |
| Iowa | 18.00 | 18.69 | 18.98 | 17.26 | 19.71 |
| Kansas | 19.81 | 18.87 | 17.22 | 14.61 | 13.45 |
| Kentucky | 10.37 | 11.94 | 11.94 | 12.76 | 13.02 |
| Louisiana | 8.43 | 8.65 | 8.13 | 9.51 | 10.31 |
| Maine | 12.05 | 10.30 | 9.57 | 8.45 | 10.27 |
| Maryland | 9.31 | 9.73 | 9.47 | 9.36 | 9.68 |
| Massachusetts | 28.19 | 29.23 | 29.19 | 28.56 | 29.94 |

State Indicators

| State | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------|-------|-------|-------|-------|-------|
| Michigan | 24.35 | 23.99 | 24.11 | 24.23 | 25.53 |
| Minnesota | 32.01 | 32.68 | 30.29 | 28.31 | 29.65 |
| Mississippi | 6.62 | 6.32 | 5.27 | 5.89 | 6.95 |
| Missouri | 11.39 | 11.81 | 9.95 | 10.41 | 10.53 |
| Montana | 7.77 | 7.27 | 8.52 | 9.91 | 8.96 |
| Nebraska | 8.33 | 9.77 | 8.35 | 8.42 | 7.85 |
| Nevada | 31.25 | 30.42 | 26.13 | 26.07 | 23.86 |
| New Hampshire | 29.80 | 32.13 | 28.99 | 30.59 | 31.86 |
| New Jersey | 25.39 | 26.32 | 23.31 | 20.97 | 22.07 |
| New Mexico | 13.07 | 12.05 | 11.92 | 12.73 | 13.40 |
| New York | 25.16 | 25.11 | 22.73 | 23.00 | 23.09 |
| North Carolina | 17.90 | 19.02 | 18.15 | 17.80 | 17.87 |
| North Dakota | 8.71 | 7.63 | 9.10 | 7.70 | 8.64 |
| Ohio | 17.07 | 17.13 | 15.32 | 14.69 | 15.08 |
| Oklahoma | 10.66 | 10.89 | 10.01 | 9.58 | 10.37 |
| Oregon | 27.57 | 29.84 | 27.31 | 31.44 | 31.93 |
| Pennsylvania | 16.24 | 16.39 | 15.07 | 14.67 | 15.77 |
| Rhode Island | 14.75 | 16.50 | 14.34 | 15.32 | 16.12 |
| South Carolina | 13.13 | 13.77 | 13.54 | 14.05 | 14.65 |
| South Dakota | 11.67 | 9.76 | 7.79 | 9.96 | 9.61 |
| Tennessee | NA | 12.71 | 11.38 | 11.87 | 11.85 |
| Texas | 17.83 | 18.34 | 17.48 | 17.67 | 18.44 |
| Utah | 21.37 | 22.02 | 21.76 | 19.35 | 21.15 |
| Vermont | 41.41 | 41.64 | 32.53 | 31.44 | 31.38 |
| Virginia | 6.88 | 7.74 | 7.83 | 7.42 | 7.79 |
| Washington | 27.70 | 30.83 | 29.08 | 29.13 | 30.97 |

State Indicators

| State | 2013 | 2014 | 2015 | 2016 | 2017 |
|---------------|-------|-------|-------|-------|-------|
| West Virginia | 7.70 | 6.81 | 6.44 | 4.92 | 5.71 |
| Wisconsin | 19.06 | 18.63 | 17.49 | 17.46 | 17.83 |
| Wyoming | NA | 11.49 | 11.47 | 12.29 | 11.93 |
| Puerto Rico | 0.97 | 1.76 | 1.44 | 1.90 | 1.34 |

NA = not available

Note(s):

Patents were fractionally allocated among regions/countries/economies based on the proportion of residences of all named inventors. The total for the United States reported here includes Puerto Rico, as well as patents for which the location could not be determined. Occupational Employment Statistics (OES) estimates for 2004 and earlier are based on November data

Source(s):

Science-Matrix, special tabulations (2019) from U.S. Patent and Trademark Office data in PatentsView; U.S. Department of Labor, Bureau of Labor Statistics, special tabulations of the Occupational Employment Statistics Survey (various years), data as of May 2018.

Recommended Citation: National Science Board. 2018. "Patents Awarded per 1,000 Individuals in Science and Engineering Occupations." Science and Engineering Indicators 2018, State Indicators. Alexandria, VA: National Science Foundation (NSB-2018-1). <https://www.nsf.gov/statistics/state-indicators/indicator/patents-per-1000-se-occupation-holders>

Last updated: March 4, 2019

Science and Engineering Indicators 2018

State Indicators

Patents awarded

| State | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| United States | 60,938 | 61,520 | 80,024 | 83,643 | 84,778 | 87,378 | 86,659 | 87,604 | 83,970 | 74,314 |
| Alabama | 280 | 303 | 370 | 395 | 349 | 393 | 414 | 407 | 372 | 320 |
| Alaska | 38 | 47 | 65 | 55 | 54 | 54 | 50 | 40 | 48 | 39 |
| Arizona | 1,064 | 1,050 | 1,504 | 1,494 | 1,600 | 1,534 | 1,576 | 1,563 | 1,590 | 1,434 |
| Arkansas | 116 | 118 | 142 | 186 | 206 | 183 | 184 | 156 | 133 | 122 |
| California | 10,429 | 11,249 | 15,741 | 16,700 | 17,455 | 18,613 | 18,772 | 19,675 | 19,469 | 17,896 |
| Colorado | 1,171 | 1,219 | 1,744 | 1,836 | 1,836 | 1,929 | 1,949 | 2,059 | 2,069 | 1,849 |
| Connecticut | 1,442 | 1,392 | 1,800 | 1,791 | 1,797 | 1,858 | 1,786 | 1,658 | 1,548 | 1,499 |
| Delaware | 447 | 360 | 387 | 400 | 384 | 389 | 368 | 349 | 355 | 330 |
| District of Columbia | 43 | 50 | 67 | 53 | 59 | 66 | 64 | 54 | 74 | 56 |
| Florida | 2,069 | 2,135 | 2,645 | 2,604 | 2,600 | 2,614 | 2,387 | 2,517 | 2,412 | 2,255 |
| Georgia | 956 | 967 | 1,284 | 1,321 | 1,315 | 1,375 | 1,296 | 1,337 | 1,327 | 1,209 |
| Hawaii | 74 | 74 | 83 | 76 | 80 | 91 | 74 | 73 | 79 | 51 |
| Idaho | 363 | 570 | 855 | 1,227 | 1,565 | 1,694 | 1,852 | 1,800 | 1,794 | 1,522 |
| Illinois | 3,110 | 2,975 | 3,695 | 3,720 | 3,784 | 3,623 | 3,418 | 3,284 | 3,143 | 2,724 |
| Indiana | 1,297 | 1,212 | 1,365 | 1,439 | 1,456 | 1,361 | 1,415 | 1,386 | 1,283 | 1,108 |
| Iowa | 437 | 401 | 650 | 740 | 586 | 728 | 611 | 652 | 641 | 558 |
| Kansas | 290 | 261 | 345 | 409 | 391 | 322 | 434 | 423 | 437 | 376 |
| Kentucky | 329 | 304 | 361 | 462 | 459 | 471 | 451 | 434 | 414 | 343 |
| Louisiana | 403 | 387 | 495 | 481 | 528 | 525 | 448 | 396 | 357 | 273 |
| Maine | 109 | 91 | 131 | 123 | 133 | 144 | 150 | 149 | 136 | 152 |
| Maryland | 1,079 | 1,164 | 1,440 | 1,509 | 1,373 | 1,460 | 1,460 | 1,436 | 1,329 | 1,190 |
| Massachusetts | 2,447 | 2,561 | 3,435 | 3,513 | 3,461 | 3,684 | 3,600 | 3,912 | 3,669 | 3,098 |
| Michigan | 3,165 | 2,828 | 3,496 | 3,680 | 3,708 | 3,820 | 3,872 | 3,881 | 3,738 | 3,329 |

State Indicators

| State | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Minnesota | 1,781 | 1,833 | 2,455 | 2,635 | 2,704 | 2,631 | 2,738 | 2,938 | 2,725 | 2,403 |
| Mississippi | 141 | 157 | 170 | 196 | 188 | 162 | 153 | 155 | 134 | 117 |
| Missouri | 663 | 746 | 903 | 954 | 826 | 852 | 854 | 842 | 769 | 640 |
| Montana | 107 | 86 | 132 | 126 | 120 | 146 | 135 | 122 | 120 | 98 |
| Nebraska | 171 | 159 | 205 | 191 | 236 | 218 | 205 | 181 | 192 | 175 |
| Nevada | 195 | 178 | 268 | 302 | 308 | 317 | 307 | 382 | 413 | 379 |
| New Hampshire | 427 | 436 | 578 | 628 | 612 | 606 | 609 | 672 | 639 | 498 |
| New Jersey | 3,052 | 3,157 | 3,728 | 3,966 | 3,881 | 3,865 | 3,747 | 3,469 | 2,927 | 2,510 |
| New Mexico | 227 | 260 | 337 | 339 | 327 | 371 | 367 | 381 | 368 | 266 |
| New York | 5,098 | 4,758 | 6,242 | 6,040 | 6,035 | 6,262 | 6,239 | 6,214 | 5,811 | 4,694 |
| North Carolina | 1,183 | 1,261 | 1,598 | 1,720 | 1,816 | 1,914 | 1,834 | 1,865 | 1,783 | 1,600 |
| North Dakota | 61 | 43 | 63 | 71 | 87 | 96 | 72 | 58 | 56 | 76 |
| Ohio | 2,609 | 2,706 | 3,257 | 3,336 | 3,155 | 3,261 | 3,323 | 3,161 | 2,886 | 2,323 |
| Oklahoma | 473 | 415 | 485 | 491 | 536 | 571 | 465 | 518 | 451 | 406 |
| Oregon | 783 | 790 | 1,190 | 1,094 | 1,183 | 1,280 | 1,444 | 1,677 | 1,726 | 1,632 |
| Pennsylvania | 2,915 | 2,718 | 3,366 | 3,738 | 3,627 | 3,492 | 3,305 | 3,188 | 2,850 | 2,332 |
| Rhode Island | 245 | 252 | 290 | 262 | 313 | 280 | 269 | 278 | 297 | 258 |
| South Carolina | 482 | 425 | 562 | 559 | 533 | 565 | 606 | 577 | 521 | 458 |
| South Dakota | 43 | 50 | 51 | 66 | 81 | 75 | 76 | 81 | 81 | 69 |
| Tennessee | 633 | 643 | 783 | 856 | 788 | 826 | 818 | 803 | 695 | 587 |
| Texas | 4,162 | 4,120 | 5,563 | 6,021 | 6,267 | 6,351 | 5,973 | 5,956 | 5,905 | 5,262 |
| Utah | 538 | 615 | 672 | 681 | 694 | 712 | 682 | 640 | 686 | 555 |
| Vermont | 253 | 276 | 329 | 343 | 378 | 455 | 487 | 440 | 404 | 363 |
| Virginia | 873 | 834 | 1,073 | 1,048 | 1,129 | 1,124 | 1,147 | 1,108 | 1,088 | 960 |
| Washington | 1,167 | 1,371 | 1,796 | 1,840 | 1,863 | 1,959 | 2,090 | 2,263 | 2,225 | 2,275 |
| West Virginia | 119 | 139 | 185 | 150 | 144 | 148 | 149 | 137 | 101 | 92 |



State Indicators

| State | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Wisconsin | 1,295 | 1,311 | 1,568 | 1,686 | 1,679 | 1,835 | 1,866 | 1,761 | 1,633 | 1,476 |
| Wyoming | 31 | 47 | 48 | 55 | 56 | 52 | 47 | 68 | 50 | 46 |
| Puerto Rico | 24 | 9 | 20 | 24 | 26 | 12 | 13 | 27 | 18 | 25 |

Science and Engineering Indicators 2018

State Indicators

Patents awarded

| State | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| United States | 89,376 | 79,170 | 77,161 | 81,962 | 107,232 | 108,118 | 120,488 | 133,158 | 144,049 | 140,517 |
| Alabama | 368 | 305 | 263 | 300 | 454 | 367 | 433 | 517 | 498 | 486 |
| Alaska | 35 | 18 | 19 | 39 | 28 | 30 | 31 | 51 | 54 | 43 |
| Arizona | 1,669 | 1,560 | 1,552 | 1,541 | 1,937 | 1,998 | 2,179 | 2,208 | 2,493 | 2,497 |
| Arkansas | 144 | 115 | 111 | 95 | 143 | 137 | 178 | 165 | 208 | 225 |
| California | 22,192 | 19,577 | 19,184 | 20,601 | 27,254 | 28,064 | 32,017 | 36,086 | 40,505 | 40,088 |
| Colorado | 2,120 | 1,747 | 1,611 | 1,711 | 2,146 | 2,082 | 2,424 | 2,782 | 3,125 | 2,996 |
| Connecticut | 1,659 | 1,380 | 1,318 | 1,396 | 1,833 | 1,916 | 2,109 | 2,188 | 2,291 | 2,175 |
| Delaware | 367 | 337 | 307 | 315 | 376 | 436 | 447 | 479 | 466 | 386 |
| District of Columbia | 69 | 72 | 62 | 57 | 81 | 97 | 106 | 127 | 154 | 130 |
| Florida | 2,567 | 2,307 | 2,013 | 2,157 | 2,902 | 3,055 | 3,600 | 3,881 | 4,155 | 3,973 |
| Georgia | 1,476 | 1,299 | 1,338 | 1,410 | 1,900 | 1,946 | 2,122 | 2,482 | 2,660 | 2,448 |
| Hawaii | 87 | 70 | 81 | 73 | 124 | 93 | 117 | 121 | 124 | 119 |
| Idaho | 1,661 | 1,348 | 1,162 | 942 | 1,090 | 1,041 | 930 | 996 | 1,022 | 876 |
| Illinois | 3,211 | 2,868 | 2,719 | 2,875 | 3,623 | 3,796 | 4,285 | 4,606 | 5,139 | 5,027 |
| Indiana | 1,191 | 1,139 | 1,008 | 1,108 | 1,504 | 1,457 | 1,751 | 1,904 | 2,083 | 2,062 |
| Iowa | 662 | 596 | 540 | 652 | 746 | 807 | 860 | 944 | 999 | 1,002 |
| Kansas | 480 | 413 | 406 | 429 | 613 | 685 | 980 | 1,015 | 946 | 924 |
| Kentucky | 416 | 432 | 413 | 366 | 536 | 473 | 534 | 559 | 649 | 671 |
| Louisiana | 328 | 261 | 257 | 265 | 301 | 318 | 359 | 394 | 425 | 394 |
| Maine | 144 | 113 | 118 | 115 | 202 | 175 | 203 | 227 | 200 | 191 |
| Maryland | 1,387 | 1,206 | 1,184 | 1,258 | 1,567 | 1,500 | 1,618 | 1,739 | 1,850 | 1,836 |
| Massachusetts | 3,975 | 3,521 | 3,510 | 3,714 | 4,921 | 5,131 | 5,672 | 6,421 | 6,737 | 6,762 |
| Michigan | 3,729 | 3,143 | 2,969 | 2,961 | 3,798 | 3,922 | 4,555 | 5,059 | 5,270 | 5,500 |

State Indicators

| State | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Minnesota | 2,949 | 2,572 | 2,558 | 2,608 | 3,575 | 3,855 | 3,919 | 4,276 | 4,582 | 4,350 |
| Mississippi | 124 | 140 | 105 | 131 | 156 | 156 | 150 | 161 | 157 | 134 |
| Missouri | 736 | 686 | 616 | 711 | 966 | 880 | 1,043 | 1,204 | 1,263 | 1,097 |
| Montana | 120 | 107 | 91 | 80 | 101 | 99 | 127 | 121 | 113 | 139 |
| Nebraska | 180 | 205 | 190 | 192 | 211 | 209 | 286 | 304 | 354 | 317 |
| Nevada | 382 | 363 | 375 | 341 | 533 | 554 | 747 | 839 | 818 | 737 |
| New Hampshire | 613 | 541 | 483 | 549 | 738 | 750 | 736 | 848 | 910 | 849 |
| New Jersey | 3,115 | 2,656 | 2,668 | 2,788 | 3,836 | 3,814 | 4,213 | 4,690 | 4,955 | 4,509 |
| New Mexico | 349 | 288 | 285 | 310 | 432 | 396 | 439 | 456 | 436 | 447 |
| New York | 5,581 | 4,958 | 4,880 | 5,202 | 6,952 | 6,914 | 7,573 | 8,397 | 8,756 | 8,386 |
| North Carolina | 1,955 | 1,727 | 1,822 | 2,017 | 2,635 | 2,673 | 2,984 | 3,114 | 3,444 | 3,398 |
| North Dakota | 68 | 76 | 63 | 80 | 104 | 91 | 97 | 109 | 99 | 118 |
| Ohio | 2,611 | 2,239 | 2,221 | 2,334 | 3,216 | 3,166 | 3,396 | 3,721 | 3,765 | 3,579 |
| Oklahoma | 552 | 466 | 413 | 412 | 517 | 488 | 466 | 553 | 576 | 552 |
| Oregon | 2,074 | 1,887 | 1,805 | 1,781 | 2,036 | 1,959 | 2,073 | 2,179 | 2,401 | 2,358 |
| Pennsylvania | 2,857 | 2,497 | 2,448 | 2,648 | 3,332 | 3,223 | 3,488 | 3,961 | 4,076 | 3,846 |
| Rhode Island | 277 | 250 | 212 | 207 | 256 | 278 | 302 | 306 | 350 | 309 |
| South Carolina | 573 | 418 | 386 | 461 | 517 | 653 | 826 | 855 | 927 | 926 |
| South Dakota | 74 | 58 | 52 | 46 | 74 | 96 | 120 | 149 | 129 | 108 |
| Tennessee | 665 | 620 | 574 | 635 | 914 | 972 | 919 | 1,004 | 1,102 | 1,011 |
| Texas | 6,236 | 5,722 | 5,688 | 5,861 | 7,503 | 7,508 | 8,303 | 9,174 | 9,922 | 9,851 |
| Utah | 700 | 639 | 641 | 758 | 1,006 | 1,043 | 1,134 | 1,239 | 1,383 | 1,407 |
| Vermont | 435 | 453 | 430 | 437 | 642 | 513 | 492 | 535 | 553 | 446 |
| Virginia | 1,101 | 1,003 | 1,043 | 1,079 | 1,602 | 1,588 | 1,697 | 1,900 | 2,108 | 2,121 |
| Washington | 3,244 | 3,187 | 3,480 | 4,299 | 5,240 | 4,748 | 5,366 | 5,808 | 6,433 | 6,373 |
| West Virginia | 102 | 101 | 76 | 96 | 120 | 101 | 133 | 150 | 137 | 132 |



State Indicators

| State | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Wisconsin | 1,687 | 1,395 | 1,347 | 1,441 | 1,829 | 1,772 | 1,805 | 2,024 | 2,097 | 2,059 |
| Wyoming | 48 | 53 | 38 | 60 | 80 | 63 | 103 | 101 | 104 | 103 |
| Puerto Rico | 27 | 30 | 17 | 15 | 26 | 26 | 37 | 22 | 41 | 33 |

Science and Engineering Indicators 2018

State Indicators

Patents awarded

| State | 2016 | 2017 |
|----------------------|---------|---------|
| United States | 143,204 | 150,425 |
| Alabama | 510 | 498 |
| Alaska | 58 | 59 |
| Arizona | 2,686 | 2,771 |
| Arkansas | 235 | 257 |
| California | 40,694 | 41,961 |
| Colorado | 3,048 | 3,182 |
| Connecticut | 2,290 | 2,488 |
| Delaware | 340 | 323 |
| District of Columbia | 138 | 177 |
| Florida | 4,129 | 4,343 |
| Georgia | 2,488 | 2,607 |
| Hawaii | 130 | 115 |
| Idaho | 764 | 728 |
| Illinois | 4,946 | 5,071 |
| Indiana | 2,067 | 2,279 |
| Iowa | 925 | 1,085 |
| Kansas | 835 | 782 |
| Kentucky | 706 | 745 |
| Louisiana | 445 | 464 |
| Maine | 174 | 211 |
| Maryland | 1,871 | 1,949 |
| Massachusetts | 6,940 | 7,369 |
| Michigan | 5,769 | 6,343 |

State Indicators

| State | 2016 | 2017 |
|----------------|--------|--------|
| Minnesota | 4,229 | 4,453 |
| Mississippi | 149 | 181 |
| Missouri | 1,214 | 1,258 |
| Montana | 157 | 153 |
| Nebraska | 335 | 329 |
| Nevada | 768 | 752 |
| New Hampshire | 930 | 1,025 |
| New Jersey | 4,278 | 4,487 |
| New Mexico | 489 | 496 |
| New York | 8,709 | 9,064 |
| North Carolina | 3,547 | 3,704 |
| North Dakota | 108 | 121 |
| Ohio | 3,522 | 3,758 |
| Oklahoma | 521 | 575 |
| Oregon | 2,801 | 2,963 |
| Pennsylvania | 3,848 | 4,215 |
| Rhode Island | 337 | 371 |
| South Carolina | 1,000 | 1,069 |
| South Dakota | 141 | 137 |
| Tennessee | 1,071 | 1,106 |
| Texas | 10,007 | 10,458 |
| Utah | 1,328 | 1,551 |
| Vermont | 421 | 413 |
| Virginia | 2,044 | 2,204 |
| Washington | 6,639 | 7,280 |
| West Virginia | 101 | 119 |



State Indicators

| State | 2016 | 2017 |
|-------------|-------|-------|
| Wisconsin | 2,165 | 2,240 |
| Wyoming | 104 | 95 |
| Puerto Rico | 46 | 33 |

Science and Engineering Indicators 2018

State Indicators

Individuals in S&E occupations

| State | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| United States | 4,961,540 | 5,174,260 | 5,233,520 | 5,407,710 | 5,591,990 | 5,781,460 | 5,785,710 | 5,549,980 | 5,794,980 | 5,968,240 |
| Alabama | 56,380 | 59,880 | 62,790 | 66,100 | 69,650 | 68,580 | 68,670 | 68,450 | 70,290 | 72,880 |
| Alaska | 10,600 | 10,870 | 11,230 | 10,720 | 11,990 | 13,260 | 14,780 | 15,430 | 15,680 | 16,260 |
| Arizona | 92,120 | 98,400 | 96,410 | 98,110 | 102,380 | 102,100 | 102,820 | 102,870 | 115,330 | 116,930 |
| Arkansas | 21,340 | 24,170 | 24,660 | 24,860 | 28,460 | 29,310 | 31,420 | 29,200 | 29,350 | 29,530 |
| California | 676,180 | 703,250 | 716,530 | NA | 753,570 | 791,750 | 795,240 | 758,830 | 800,430 | 821,780 |
| Colorado | 124,140 | 125,510 | 126,110 | 133,730 | 138,990 | 147,000 | 148,090 | 143,210 | 144,750 | 149,020 |
| Connecticut | 81,380 | 83,840 | 83,930 | 79,380 | 80,280 | 80,290 | 79,160 | 74,990 | 76,550 | 78,450 |
| Delaware | 17,370 | 18,420 | 18,010 | 21,550 | 22,140 | 22,330 | 22,200 | 20,920 | 22,430 | 23,440 |
| District of Columbia | 54,890 | 61,460 | 63,410 | 64,120 | 63,150 | 63,360 | 61,430 | 59,870 | 62,660 | 63,600 |
| Florida | 221,070 | 235,170 | 241,000 | 246,190 | 244,140 | 248,200 | 247,070 | 239,600 | 244,970 | 248,300 |
| Georgia | 144,170 | 139,230 | 137,580 | 136,470 | 136,880 | 147,380 | NA | 145,220 | 147,820 | 148,830 |
| Hawaii | 16,090 | 17,630 | 17,460 | 18,940 | 18,740 | 18,830 | 19,020 | 19,500 | 20,100 | 20,930 |
| Idaho | 22,150 | 23,050 | 23,880 | NA | 24,330 | 23,310 | 23,520 | 24,130 | 25,950 | 25,260 |
| Illinois | 211,230 | 219,040 | 221,630 | 222,470 | 225,180 | 224,370 | 221,170 | 197,120 | 204,420 | 220,170 |
| Indiana | 78,410 | 80,950 | 79,910 | 80,110 | 83,080 | 90,840 | 90,750 | 90,710 | 93,640 | 94,620 |
| Iowa | 37,320 | 40,060 | 40,300 | 43,670 | 45,430 | 46,180 | 47,080 | 44,140 | 48,930 | 50,950 |
| Kansas | 51,970 | 52,650 | 51,630 | 48,620 | 50,040 | 54,260 | 56,200 | 48,970 | 51,530 | 50,930 |
| Kentucky | 45,230 | 43,740 | 44,530 | 44,680 | 49,030 | NA | 51,200 | 48,790 | 51,990 | 51,830 |
| Louisiana | 41,900 | 42,520 | 41,030 | 40,180 | 38,450 | 41,790 | 43,630 | 44,200 | 42,760 | 45,920 |
| Maine | 15,020 | 14,980 | 15,500 | 15,950 | 15,960 | 17,000 | 17,910 | 17,470 | 17,490 | 17,910 |
| Maryland | 149,250 | 158,350 | 160,120 | 159,470 | 162,540 | 167,070 | 169,540 | 166,700 | 173,020 | 179,550 |
| Massachusetts | 184,690 | 190,960 | 193,180 | 198,670 | 205,610 | 217,310 | 217,690 | 208,160 | 220,670 | 229,160 |
| Michigan | 182,940 | 188,580 | 192,150 | 208,520 | 212,040 | 204,290 | 187,760 | 176,570 | 188,380 | 198,610 |

State Indicators

| State | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Minnesota | 117,120 | 118,590 | 120,930 | 125,930 | 129,840 | 134,440 | 134,060 | 125,100 | 130,340 | 131,690 |
| Mississippi | 22,190 | 22,970 | 23,480 | 24,910 | 25,520 | 27,270 | 25,940 | 23,770 | 23,440 | 23,640 |
| Missouri | 84,150 | 91,820 | 92,260 | 96,420 | 102,170 | 105,390 | 104,310 | 102,300 | 106,930 | 109,650 |
| Montana | 11,450 | 11,640 | 11,940 | 13,010 | 13,240 | NA | 14,210 | 14,620 | 14,960 | 15,360 |
| Nebraska | 30,710 | 31,760 | 31,530 | 32,500 | 31,420 | 31,820 | 31,790 | 30,930 | 33,800 | 34,720 |
| Nevada | 22,330 | 24,440 | 24,400 | 26,930 | 26,920 | 27,300 | 27,560 | 26,840 | 28,370 | 27,000 |
| New Hampshire | 23,430 | 25,620 | 26,840 | 27,680 | 28,450 | 29,150 | 30,550 | 29,200 | 29,260 | 28,950 |
| New Jersey | 161,420 | 171,990 | 174,270 | 176,460 | 186,120 | 198,060 | 195,690 | 185,360 | 182,210 | 181,480 |
| New Mexico | 33,600 | 32,000 | 32,530 | 30,800 | 33,440 | 34,560 | 36,950 | 36,130 | 35,520 | 35,310 |
| New York | 272,440 | 283,150 | 289,010 | 306,810 | 322,520 | 326,510 | 315,480 | NA | 310,510 | 321,480 |
| North Carolina | 132,440 | 136,430 | 134,290 | 138,790 | 142,970 | 153,680 | 158,920 | 155,030 | 161,880 | 167,900 |
| North Dakota | 8,430 | 8,460 | 9,070 | 9,360 | 9,660 | 9,450 | 9,930 | 11,050 | 12,070 | 13,120 |
| Ohio | 177,100 | 181,180 | 180,900 | 185,190 | 196,390 | 206,320 | 207,930 | 195,840 | 208,140 | NA |
| Oklahoma | 44,360 | 46,320 | 46,370 | 50,770 | 51,430 | 48,900 | 45,730 | 44,190 | 47,090 | 50,420 |
| Oregon | 61,230 | 64,820 | 62,030 | 64,520 | 67,890 | 70,070 | 69,630 | NA | NA | 75,780 |
| Pennsylvania | 185,560 | 195,510 | 204,270 | 214,910 | 218,890 | 227,170 | NA | NA | NA | NA |
| Rhode Island | 18,740 | 19,330 | 18,080 | 18,060 | 18,400 | 18,090 | 18,120 | 18,210 | 19,450 | 20,180 |
| South Carolina | 48,740 | 50,840 | 50,460 | 53,230 | 54,120 | 57,770 | 57,370 | 56,230 | 61,020 | 63,170 |
| South Dakota | 9,150 | 9,530 | 9,460 | 10,120 | 11,550 | 11,870 | 11,570 | 11,150 | 11,790 | 12,000 |
| Tennessee | 63,680 | 65,730 | 66,390 | 67,040 | 70,820 | 72,760 | 68,970 | 71,850 | 77,630 | 79,830 |
| Texas | 365,270 | 384,600 | 389,550 | 408,710 | 441,410 | 463,850 | 470,010 | 451,390 | 469,080 | 493,980 |
| Utah | 45,570 | 45,250 | 45,110 | 49,690 | 51,340 | 52,570 | 51,270 | 50,830 | 51,350 | 54,720 |
| Vermont | 11,420 | 12,510 | 12,770 | 12,780 | 12,760 | 12,360 | 12,780 | 12,670 | 13,100 | 12,870 |
| Virginia | 209,280 | 233,590 | 236,650 | 251,720 | 254,710 | 259,280 | 264,090 | 255,800 | 267,620 | 274,280 |
| Washington | 150,230 | 156,780 | 160,960 | 171,780 | 183,900 | NA | 196,850 | 186,210 | 196,760 | NA |
| West Virginia | 16,220 | 15,990 | 16,040 | 17,150 | 16,560 | 17,000 | 16,350 | 17,070 | 18,300 | 19,900 |



State Indicators

| State | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|--|--------|--------|--------|--------|--------|---------|---------|--------|---------|---------|
| Wisconsin | 93,320 | 93,760 | 93,590 | 96,860 | 99,380 | 101,680 | 100,850 | 99,240 | 102,320 | 103,030 |
| Wyoming | 6,130 | 6,960 | 7,350 | 7,640 | 8,110 | 8,850 | 8,920 | 8,260 | 8,440 | 8,710 |
| Puerto Rico | 19,940 | 20,600 | 20,950 | 23,850 | 23,630 | 22,970 | 22,760 | 20,850 | 20,990 | 21,750 |
| NA = not available | | | | | | | | | | |
| <i>Science and Engineering Indicators 2018</i> | | | | | | | | | | |

State Indicators

Individuals in S&E occupations

| State | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------|-----------|-----------|-----------|-----------|-----------|
| United States | 6,139,220 | 6,318,580 | 6,536,860 | 6,746,600 | 6,889,020 |
| Alabama | 76,650 | 74,480 | 73,190 | 72,480 | 73,410 |
| Alaska | 15,210 | 14,920 | 14,970 | 14,340 | 14,810 |
| Arizona | 123,410 | 127,760 | 133,650 | 138,560 | 140,300 |
| Arkansas | 30,660 | 32,050 | 33,350 | 33,180 | 35,690 |
| California | 849,510 | 880,850 | NA | 932,020 | 946,680 |
| Colorado | 154,020 | 160,700 | 167,400 | 175,370 | 180,660 |
| Connecticut | 78,850 | 79,000 | 79,490 | 80,330 | 82,960 |
| Delaware | 22,030 | 22,830 | 22,750 | 24,120 | 26,470 |
| District of Columbia | 65,300 | 68,820 | 69,880 | 75,520 | 76,500 |
| Florida | 250,330 | 257,450 | 271,840 | 284,030 | 293,850 |
| Georgia | 160,820 | 169,940 | NA | 196,370 | 200,620 |
| Hawaii | 21,140 | 20,900 | 21,060 | 21,760 | 21,590 |
| Idaho | 25,850 | 26,460 | 28,320 | 29,050 | 29,250 |
| Illinois | 226,850 | 235,380 | 245,330 | 260,160 | 258,920 |
| Indiana | 100,870 | 104,000 | 104,290 | 106,230 | 108,850 |
| Iowa | 52,440 | 53,440 | 52,790 | 53,580 | 55,050 |
| Kansas | 51,240 | 50,120 | 53,660 | 57,150 | 58,140 |
| Kentucky | 53,920 | 54,350 | 56,190 | 55,340 | 57,210 |
| Louisiana | 46,750 | 49,120 | 48,440 | 46,770 | 45,020 |
| Maine | 18,840 | 19,410 | 19,960 | 20,580 | 20,550 |
| Maryland | 186,780 | 190,080 | 193,810 | 199,860 | 201,310 |
| Massachusetts | 227,780 | 230,480 | 231,640 | 242,960 | 246,110 |
| Michigan | 207,800 | 219,630 | 228,140 | 238,120 | 248,460 |

State Indicators

| State | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------|---------|---------|---------|---------|---------|
| Minnesota | 133,580 | 140,190 | 143,620 | 149,360 | 150,210 |
| Mississippi | 24,320 | 24,860 | 25,440 | 25,280 | 26,050 |
| Missouri | 105,730 | 106,980 | 110,220 | 116,670 | 119,440 |
| Montana | 15,570 | 15,540 | 16,320 | 15,840 | 17,070 |
| Nebraska | 36,480 | 36,220 | 37,950 | 39,780 | 41,890 |
| Nevada | 26,850 | 26,890 | 28,200 | 29,460 | 31,520 |
| New Hampshire | 28,460 | 28,320 | 29,290 | 30,400 | 32,170 |
| New Jersey | 184,720 | 188,240 | 193,440 | 204,000 | 203,270 |
| New Mexico | 34,900 | 36,180 | 37,510 | 38,420 | 37,020 |
| New York | 333,710 | 348,740 | 368,920 | 378,600 | 392,570 |
| North Carolina | 173,960 | 181,030 | 187,210 | 199,300 | 207,220 |
| North Dakota | 12,520 | 12,970 | 12,960 | 14,020 | 14,010 |
| Ohio | 218,030 | 219,830 | 233,570 | 239,800 | 249,180 |
| Oklahoma | 51,900 | 52,910 | 55,170 | 54,380 | 55,460 |
| Oregon | 79,040 | 80,470 | 86,350 | 89,080 | 92,790 |
| Pennsylvania | 243,850 | 248,750 | 255,170 | 262,280 | 267,350 |
| Rhode Island | 20,740 | 21,210 | 21,550 | 22,000 | 23,010 |
| South Carolina | 65,140 | 67,300 | 68,380 | 71,190 | 72,970 |
| South Dakota | 12,770 | 13,220 | 13,870 | 14,160 | 14,260 |
| Tennessee | NA | 86,680 | 88,820 | 90,240 | 93,320 |
| Texas | 514,400 | 541,060 | 563,410 | 566,230 | 567,040 |
| Utah | 57,980 | 62,810 | 64,670 | 68,630 | 73,320 |
| Vermont | 12,920 | 13,280 | 13,710 | 13,390 | 13,160 |
| Virginia | 276,230 | 272,410 | 270,990 | 275,350 | 282,830 |
| Washington | 209,710 | 208,630 | 219,130 | 227,910 | 235,070 |
| West Virginia | 19,490 | 20,110 | 20,490 | 20,510 | 20,830 |



State Indicators

| State | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------|---------|---------|---------|---------|---------|
| Wisconsin | 106,210 | 112,540 | 117,720 | 124,000 | 125,610 |
| Wyoming | NA | 9,050 | 8,980 | 8,460 | 7,960 |
| Puerto Rico | 22,790 | 23,320 | 22,930 | 24,190 | 24,610 |

NA = not available

Science and Engineering Indicators 2018