

Science and engineering profile: West Virginia

| Characteristic | State | U.S. total | Rank |
|--|---------|------------|------|
| Employed SEH doctorate holders, 2006 | 2,000 † | 620,140 | 45 |
| S&E doctorates awarded, 2006 | 117 | 29,854 | 39 |
| Engineering (%) | 24 | 24 | – |
| Life sciences (%) | 22 | 26 | – |
| Social sciences (%) | 21 | 14 | – |
| SEH postdoctorates in doctorate-granting institutions, 2006 | 59 | 49,201 | 45 |
| SEH graduate students in doctorate-granting institutions, 2006 | 2,908 | 542,073 | 39 |
| Population, 2007 (thousands) | 1,812 | 305,563 | 38 |
| Civilian labor force, 2007 (thousands) | 809 | 154,046 | 39 |
| Personal income per capita, 2006 (\$) | 28,067 | 36,629 | 50 |
| Federal spending | | | |
| Total expenditures, 2005 (\$millions) | 16,087 | 2,260,098 | 37 |
| R&D obligations, 2005 (\$millions) | 773 | 106,845 | 25 |
| Total R&D performance, 2005 (\$millions) | 567 | 310,194 | 42 |
| Industry R&D, 2005 (\$millions) | 242 | 222,427 | 43 |
| Academic R&D, 2006 (\$millions) | 149 | 47,735 | 45 |
| Life sciences (%) | 65 | 60 | – |
| Engineering (%) | 21 | 15 | – |
| Environmental sciences (%) | 5 | 5 | – |
| SBIR awards, 2000–06 | 100 | 38,825 | 41 |
| Utility patents issued to state residents, 2006 | 103 | 89,820 | 45 |
| Gross domestic product, 2006 (\$billions) | 56 | 13,235 | 43 |

†Coefficient of variation >10% but < 25%; – = 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: West Virginia, 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 | 772,528 | 112,563 | 0 | 595,634 | 47,799 | 15,103 | 1,429 | 25 |
| Department of Agriculture | 34,776 | 26,156 | 0 | 0 | 6,699 | 1,921 | 0 | 22 |
| Department of Commerce | 2,324 | 512 | 0 | 89 | 1,723 | 0 | 0 | 30 |
| Department of Defense | 539,519 | 1,224 | 0 | 530,730 | 3,420 | 4,145 | 0 | 21 |
| Department of Energy | 109,147 | 62,468 | 0 | 43,625 | 954 | 2,100 | 0 | 14 |
| Department of Health and Human Services | 43,862 | 17,670 | 0 | 592 | 24,610 | 772 | 218 | 44 |
| Department of Homeland Security | 255 | 118 | 0 | 137 | 0 | 0 | 0 | 37 |
| Department of the Interior | 4,760 | 4,285 | 0 | 0 | 164 | 0 | 311 | 24 |
| Department of Transportation | 1,262 | 130 | 0 | 1,132 | 0 | 0 | 0 | 25 |
| Environmental Protection Agency | 100 | 0 | 0 | 0 | 0 | 0 | 100 | 44 |
| National Aeronautics and Space Administration | 33,242 | 0 | 0 | 19,206 | 10,199 | 3,837 | 0 | 17 |
| National Science Foundation | 3,281 | 0 | 0 | 123 | 30 | 2,328 | 800 | 52 |
| Rank | 25 | 26 | – | 19 | 49 | 32 | 39 | – |

– = 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".