

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                             | All federal R&D expenditures | DOD       | DOE       | HHS        | NASA      | NSF       | USDA    | Other <sup>a</sup> |
|------|---|------------------------------|-----------|-----------|------------|-----------|-----------|---------|--------------------|
|      | All institutions                        | 31,097,709                   | 3,076,987 | 1,133,904 | 17,508,027 | 1,060,843 | 3,767,970 | 893,056 | 2,868,122          |
| 1    | Johns Hopkins U., The <sup>b</sup>      | 1,425,100                    | 24,988    | 4,828     | 559,475    | 14,974    | 26,187    | 1,047   | 4,801              |
| 2    | U. WA                                   | 614,069                      | 10,169    | 17,103    | 409,086    | 9,321     | 76,956    | 1,742   | 89,692             |
| 3    | U. MI all campuses                      | 592,768                      | 59,376    | 17,476    | 407,553    | 15,875    | 57,803    | 1,510   | 33,175             |
| 4    | Stanford U.                             | 509,477                      | 56,759    | 23,175    | 321,305    | 39,095    | 59,900    | 0       | 9,243              |
| 5    | MA Institute of Technology              | 495,008                      | 87,013    | 65,212    | 228,091    | 25,926    | 73,953    | 0       | 14,813             |
| 6    | U. CA, San Diego                        | 490,963                      | 45,802    | 12,343    | 311,832    | 6,017     | 90,855    | 415     | 23,699             |
| 7    | U. PA                                   | 482,321                      | 24,025    | 8,094     | 417,898    | 1,714     | 24,161    | 1,306   | 5,123              |
| 8    | U. WI Madison                           | 474,440                      | 15,126    | 39,725    | 255,663    | 9,641     | 105,477   | 13,164  | 35,644             |
| 9    | U. CA, San Francisco                    | 472,642                      | 7,557     | 706       | 455,872    | 567       | 2,380     | 60      | 5,500              |
| 10   | U. CA, Los Angeles                      | 471,932                      | 27,672    | 18,850    | 349,348    | 11,693    | 51,789    | 346     | 12,234             |
| 11   | Columbia U. in the City of New York     | 461,029                      | 11,308    | 490       | 293,835    | 14,369    | 63,884    | 247     | 76,896             |
| 12   | U. Pittsburgh all campuses              | 456,172                      | 19,522    | 2,779     | 359,663    | 575       | 15,343    | 311     | 57,979             |
| 13   | Duke U.                                 | 451,317                      | 22,095    | 9,800     | 381,219    | 990       | 27,995    | 994     | 8,224              |
| 14   | U. CO all campuses                      | 437,393                      | 16,205    | 8,176     | 222,007    | 47,359    | 42,180    | 371     | 101,095            |
| 15   | PA State U. all campuses                | 406,528                      | 173,064   | 14,060    | 88,126     | 11,067    | 47,679    | 10,228  | 62,304             |
| 16   | Washington U. St. Louis                 | 393,918                      | 5,919     | 2,678     | 355,234    | 5,643     | 22,500    | 341     | 1,603              |
| 17   | Harvard U.                              | 383,330                      | 19,382    | 8,473     | 299,983    | 9,588     | 33,524    | 75      | 12,305             |
| 18   | Yale U.                                 | 374,551                      | 6,781     | 10,951    | 330,418    | 799       | 22,729    | 1,050   | 1,823              |
| 19   | U. NC Chapel Hill                       | 373,098                      | 9,979     | 3,715     | 287,516    | 368       | 20,650    | 191     | 50,679             |
| 20   | U. MN all campuses                      | 364,137                      | 9,468     | 7,849     | 251,659    | 4,806     | 53,419    | 18,705  | 18,231             |
| 21   | Cornell U. all campuses                 | 358,944                      | 17,384    | 7,335     | 191,059    | 4,519     | 103,685   | 23,823  | 11,139             |
| 22   | U. Southern CA                          | 348,713                      | 62,883    | 8,126     | 190,635    | 2,558     | 32,530    | 376     | 51,605             |
| 23   | OH State U. all campuses                | 335,121                      | 27,331    | 13,924    | 183,918    | 6,466     | 42,823    | 22,931  | 37,728             |
| 24   | Vanderbilt U.                           | 331,296                      | 22,753    | 7,415     | 278,834    | 2,238     | 10,887    | 0       | 9,169              |
| 25   | U. TX Austin                            | 324,287                      | 104,998   | 14,668    | 45,535     | 8,626     | 76,821    | 549     | 73,090             |
| 26   | Case Western Reserve U.                 | 305,483                      | 7,224     | 4,305     | 272,446    | 4,452     | 10,585    | 0       | 6,471              |
| 27   | U. AL Birmingham, The                   | 303,084                      | 10,082    | 1,291     | 272,458    | 5,428     | 5,960     | 132     | 7,733              |
| 28   | Emory U.                                | 291,126                      | 4,465     | 1,127     | 264,342    | 6         | 4,447     | 675     | 16,064             |
| 29   | U. Chicago                              | 284,616                      | 5,356     | 9,031     | 213,443    | 3,939     | 48,440    | 0       | 4,407              |
| 30   | GA Institute of Technology all campuses | 281,184                      | 158,784   | 11,970    | 26,723     | 17,442    | 47,071    | 136     | 19,058             |
| 31   | U. AZ                                   | 277,897                      | 15,878    | 7,415     | 107,876    | 77,663    | 43,388    | 11,103  | 14,574             |
| 32   | U. Rochester                            | 276,268                      | 13,634    | 64,037    | 184,043    | 1,172     | 10,642    | 214     | 2,526              |
| 33   | U. CA, Davis                            | 268,957                      | 8,312     | 10,349    | 161,432    | 2,703     | 37,597    | 24,384  | 24,180             |
| 34   | U. IL Urbana-Champaign                  | 266,912                      | 39,484    | 24,141    | 63,907     | 3,611     | 90,155    | 23,929  | 21,685             |
| 35   | Scripps Research Institute, The         | 265,657                      | 3,514     | 1,136     | 232,337    | 549       | 1,663     | 0       | 26,458             |
| 36   | Northwestern U.                         | 264,984                      | 15,599    | 7,571     | 173,010    | 515       | 29,902    | 179     | 38,208             |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                            | All federal R&D expenditures | DOD    | DOE    | HHS     | NASA   | NSF     | USDA   | Other <sup>a</sup> |
|------|--|------------------------------|--------|--------|---------|--------|---------|--------|--------------------|
| 37   | Baylor C. of Medicine                  | 262,498                      | 3,837  | 215    | 216,807 | 22,909 | 2,867   | 15,390 | 473                |
| 38   | Mt. Sinai School of Medicine           | 253,319                      | 5,270  | 1,869  | 228,232 | 150    | 368     | 0      | 17,430             |
| 39   | U. CA, Berkeley                        | 249,163                      | 21,368 | 7,402  | 97,986  | 24,328 | 73,663  | 5,507  | 18,909             |
| 40   | TX A&M U.                              | 245,607                      | 32,667 | 16,361 | 34,290  | 6,143  | 101,418 | 20,789 | 33,939             |
| 41   | CA Institute of Technology             | 243,624                      | 21,797 | 10,117 | 45,862  | 70,480 | 64,288  | 13     | 31,067             |
| 42   | U. MD College Park                     | 236,417                      | 60,989 | 9,042  | 27,699  | 38,904 | 38,530  | 12,915 | 48,338             |
| 43   | Boston U.                              | 235,153                      | 13,917 | 5,242  | 173,992 | 10,493 | 26,017  | 0      | 5,492              |
| 44   | OR Health & Science U.                 | 232,208                      | 3,804  | 1,327  | 201,954 | 404    | 6,828   | 382    | 17,509             |
| 45   | U. FL                                  | 230,999                      | 21,363 | 8,463  | 117,835 | 5,776  | 31,510  | 19,358 | 26,694             |
| 46   | U. IA                                  | 229,903                      | 12,069 | 2,943  | 187,195 | 10,480 | 6,680   | 0      | 10,536             |
| 47   | U. Cincinnati all campuses             | 221,186                      | 5,462  | 2,569  | 198,009 | 771    | 7,506   | 259    | 6,610              |
| 48   | U. VA all campuses                     | 219,429                      | 14,076 | 4,270  | 153,465 | 3,957  | 17,032  | 0      | 26,629             |
| 49   | CO State U.                            | 208,925                      | 15,379 | 8,621  | 54,227  | 11,841 | 29,980  | 61,130 | 27,747             |
| 50   | U. TX Southwestern Medical Ctr. Dallas | 201,480                      | 14,486 | 531    | 180,934 | 3,923  | 661     | 139    | 806                |
| 51   | NY U.                                  | 199,363                      | 7,324  | 3,012  | 166,757 | 517    | 20,500  | 23     | 1,230              |
| 52   | U. IL Chicago                          | 196,520                      | 9,181  | 4,260  | 154,646 | 1,475  | 15,577  | 334    | 11,047             |
| 53   | U. TX M. D. Anderson Cancer Ctr.       | 194,889                      | 12,205 | 51     | 163,280 | 206    | 203     | 0      | 18,944             |
| 54   | U. HI Manoa                            | 194,508                      | 55,486 | 3,645  | 45,775  | 11,247 | 29,808  | 7,310  | 41,237             |
| 55   | IN U. all campuses                     | 186,711                      | 8,803  | 4,789  | 142,215 | 3,038  | 24,560  | 41     | 3,265              |
| 56   | U. CA, Irvine                          | 178,299                      | 9,198  | 9,215  | 122,819 | 4,342  | 29,392  | 363    | 2,970              |
| 57   | Purdue U. all campuses                 | 176,592                      | 25,799 | 13,864 | 50,810  | 6,305  | 47,318  | 18,639 | 13,857             |
| 58   | U. UT                                  | 171,737                      | 7,075  | 12,940 | 128,273 | 1,707  | 19,457  | 146    | 2,139              |
| 59   | Carnegie Mellon U.                     | 170,978                      | 65,016 | 9,560  | 22,889  | 6,337  | 60,232  | 0      | 6,944              |
| 60   | U. South FL                            | 169,911                      | 18,303 | 1,285  | 73,491  | 1,756  | 9,079   | 1      | 65,996             |
| 61   | U. MD Baltimore                        | 169,026                      | 4,699  | 0      | 155,834 | 0      | 0       | 0      | 8,493              |
| 62   | U. Miami                               | 165,986                      | 15,478 | 308    | 116,638 | 2,220  | 17,050  | 727    | 13,565             |
| 63   | SUNY Buffalo all campuses              | 157,578                      | 28,639 | 1,399  | 94,601  | 3,674  | 13,921  | 17     | 15,327             |
| 64   | U. KY all campuses                     | 154,811                      | 7,912  | 4,511  | 97,403  | 1,651  | 16,724  | 13,543 | 13,067             |
| 65   | MI State U.                            | 152,907                      | 7,802  | 11,735 | 42,580  | 2,357  | 48,095  | 22,762 | 17,576             |
| 66   | LA State U. all campuses               | 150,298                      | 14,347 | 3,924  | 86,111  | 3,638  | 16,810  | 8,693  | 16,775             |
| 67   | Wake Forest U.                         | 146,298                      | 2,914  | 334    | 137,435 | 68     | 1,578   | 148    | 3,821              |
| 68   | U. MA Worcester                        | 145,113                      | 2,462  | 8      | 141,034 | 450    | 572     | 0      | 587                |
| 69   | Yeshiva U.                             | 143,866                      | 725    | 0      | 142,800 | 0      | 341     | 0      | 0                  |
| 70   | Rutgers, The State U. NJ all campuses  | 140,399                      | 15,096 | 4,975  | 64,472  | 2,624  | 36,560  | 8,973  | 7,699              |
| 71   | U. NE all campuses                     | 136,317                      | 14,159 | 1,973  | 72,815  | 1,084  | 19,729  | 11,903 | 14,654             |
| 72   | VA Polytechnic Institute and State U.  | 135,578                      | 18,737 | 5,822  | 18,435  | 1,960  | 24,635  | 15,356 | 50,633             |
| 73   | U. NM main campus                      | 134,783                      | 20,096 | 12,469 | 77,302  | 2,991  | 16,503  | 367    | 5,055              |

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|------|---------------------------------------|------------------------------|--------|--------|---------|--------|--------|--------|--------------------|
| 74   | NC State U.                           | 131,412                      | 11,021 | 6,810  | 16,468  | 2,072  | 27,318 | 30,427 | 37,296             |
| 75   | U. TX Health Science Ctr. Houston     | 129,277                      | 9,650  | 140    | 114,361 | 1,188  | 504    | 8      | 3,426              |
| 76   | AZ State U.                           | 125,558                      | 24,516 | 4,626  | 41,033  | 15,847 | 32,043 | 904    | 6,589              |
| 77   | Princeton U.                          | 125,102                      | 23,111 | 9,888  | 36,431  | 6,330  | 44,650 | 0      | 4,692              |
| 78   | U. KS all campuses                    | 122,401                      | 3,324  | 3,051  | 85,448  | 1,678  | 20,079 | 466    | 8,355              |
| 79   | U. of Medicine and Dentistry NJ       | 122,061                      | 4,759  | 33     | 108,440 | 0      | 837    | 0      | 7,992              |
| 80   | U. TX Medical Branch                  | 122,009                      | 1,086  | 106    | 107,974 | 1,374  | 393    | 120    | 10,956             |
| 81   | U. TX Health Science Ctr. San Antonio | 121,758                      | 5,767  | 0      | 113,673 | 0      | 250    | 0      | 2,068              |
| 82   | Dartmouth C.                          | 121,306                      | 4,340  | 1,048  | 83,532  | 2,715  | 7,214  | 269    | 22,188             |
| 83   | U. TN all campuses                    | 120,289                      | 5,463  | 25,484 | 51,573  | 2,406  | 14,665 | 5,025  | 15,673             |
| 84   | U. CT all campuses                    | 119,915                      | 8,437  | 3,290  | 75,395  | 1,880  | 12,852 | 5,648  | 12,413             |
| 85   | George Washington U.                  | 119,100                      | 1,059  | 529    | 103,300 | 1,154  | 3,212  | 22     | 9,824              |
| 86   | Woods Hole Oceanographic Institution  | 117,587                      | 22,678 | 282    | 1,798   | 2,071  | 72,872 | 0      | 17,886             |
| 87   | Wayne State U.                        | 115,904                      | 4,482  | 1,371  | 95,749  | 489    | 6,500  | 2      | 7,311              |
| 88   | OR State U.                           | 113,614                      | 11,956 | 8,130  | 16,119  | 4,199  | 29,629 | 19,966 | 23,615             |
| 89   | Medical C. WI                         | 111,602                      | 890    | 165    | 107,202 | 57     | 316    | 18     | 2,954              |
| 90   | U. CA, Santa Barbara                  | 111,601                      | 32,543 | 7,698  | 19,200  | 4,051  | 43,751 | 430    | 3,928              |
| 91   | Georgetown U.                         | 111,590                      | 17,379 | 164    | 77,599  | 447    | 2,958  | 35     | 13,008             |
| 92   | FL State U.                           | 110,618                      | 15,854 | 6,306  | 18,206  | 2,305  | 45,168 | 2,862  | 19,917             |
| 93   | Tulane U.                             | 109,152                      | 6,219  | 2,975  | 84,208  | 968    | 3,875  | 544    | 10,363             |
| 94   | SUNY Albany                           | 108,747                      | 4,051  | 901    | 91,506  | 1,080  | 5,389  | 46     | 5,774              |
| 95   | U. MO-Columbia                        | 108,131                      | 5,091  | 4,430  | 53,061  | 1,825  | 14,227 | 23,152 | 6,345              |
| 96   | SUNY Stony Brook all campuses         | 106,419                      | 6,894  | 8,227  | 62,660  | 3,885  | 19,802 | 125    | 4,826              |
| 97   | MS State U.                           | 105,327                      | 27,244 | 15,650 | 3,556   | 10,023 | 6,011  | 22,790 | 20,053             |
| 98   | U. GA                                 | 102,817                      | 2,571  | 8,125  | 44,361  | 1,264  | 17,888 | 21,503 | 7,105              |
| 99   | IA State U.                           | 102,771                      | 9,886  | 5,661  | 23,397  | 1,850  | 23,143 | 23,089 | 15,745             |
| 100  | Medical U. SC                         | 102,187                      | 2,564  | 1,033  | 89,853  | 0      | 541    | 242    | 7,954              |
| 101  | U. SC all campuses                    | 98,576                       | 12,516 | 6,728  | 33,839  | 1,262  | 31,177 | 3,169  | 9,885              |
| 102  | WA State U.                           | 97,668                       | 6,205  | 8,385  | 19,424  | 923    | 12,343 | 21,250 | 29,138             |
| 103  | Tufts U.                              | 95,620                       | 3,406  | 1,506  | 65,815  | 1,146  | 5,316  | 15,887 | 2,544              |
| 104  | VA Commonwealth U.                    | 95,369                       | 3,954  | 1,349  | 68,585  | 690    | 4,736  | 11     | 16,044             |
| 105  | Brown U.                              | 95,145                       | 10,658 | 3,414  | 57,908  | 4,271  | 18,180 | 163    | 551                |
| 106  | U. OK all campuses                    | 91,578                       | 5,234  | 3,216  | 57,053  | 1,647  | 10,786 | 162    | 13,480             |
| 107  | U. AK Fairbanks all campuses          | 90,280                       | 102    | 2,483  | 10,375  | 10,364 | 19,185 | 1,275  | 46,496             |
| 108  | U. VT                                 | 89,717                       | 1,529  | 399    | 69,958  | 1,533  | 4,317  | 8,582  | 3,399              |
| 109  | UT State U.                           | 88,884                       | 31,302 | 4,109  | 9,323   | 17,604 | 6,235  | 11,983 | 8,328              |
| 110  | NM State U. main campus               | 86,636                       | 27,325 | 6,071  | 7,742   | 25,113 | 7,104  | 6,601  | 6,680              |

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|------|--|------------------------------|--------|--------|--------|--------|--------|--------|--------------------|
| 111  | U. DE  | 84,628                       | 17,341 | 4,195  | 21,124 | 1,541  | 18,439 | 4,402  | 17,586             |
| 112  | U. NH  | 83,769                       | 2,111  | 1,730  | 4,020  | 17,306 | 10,862 | 5,771  | 41,969             |
| 113  | Naval Postgraduate School                    | 82,302                       | 72,234 | 304    | 0      | 840    | 3,526  | 0      | 5,398              |
| 114  | Rockefeller U.                               | 81,557                       | 208    | 691    | 79,516 | 0      | 1,142  | 0      | 0                  |
| 115  | U. MA Amherst                                | 79,736                       | 8,155  | 6,799  | 18,385 | 1,799  | 32,764 | 7,109  | 4,725              |
| 116  | Thomas Jefferson U.                          | 76,034                       | 2,154  | 240    | 70,428 | 1,000  | 78     | 1,247  | 887                |
| 117  | U. Louisville                                | 72,711                       | 5,028  | 1,735  | 55,708 | 2,068  | 4,531  | 82     | 3,559              |
| 118  | MT State U. Bozeman                          | 70,386                       | 2,552  | 8,678  | 20,016 | 6,685  | 10,668 | 6,759  | 15,028             |
| 119  | U. CA, Santa Cruz                            | 69,742                       | 3,624  | 3,300  | 16,837 | 23,714 | 16,412 | 735    | 5,120              |
| 120  | WV U.  | 68,147                       | 2,467  | 13,231 | 24,872 | 1,501  | 5,671  | 8,067  | 12,338             |
| 121  | Uniformed Services U. of the Health Sciences | 67,345                       | 54,987 | 0      | 11,993 | 0      | 0      | 320    | 45                 |
| 122  | U. of Notre Dame                             | 66,812                       | 12,973 | 17,759 | 16,440 | 903    | 17,329 | 266    | 1,142              |
| 123  | U. NV, Reno                                  | 66,165                       | 3,751  | 19,375 | 19,191 | 799    | 7,919  | 3,558  | 11,572             |
| 124  | U. MS all campuses                           | 65,799                       | 13,265 | 4,457  | 32,513 | 3,013  | 1,983  | 5,494  | 5,074              |
| 125  | Drexel U.                                    | 65,198                       | 12,766 | 726    | 28,543 | 1,115  | 8,669  | 185    | 13,194             |
| 126  | U. Dayton                                    | 64,515                       | 61,299 | 800    | 349    | 319    | 534    | 2      | 1,212              |
| 127  | NM Institute of Mining and Technology        | 64,322                       | 3,653  | 460    | 0      | 344    | 6,487  | 12     | 53,366             |
| 128  | U. AR for Medical Sciences                   | 62,035                       | 1,111  | 0      | 57,831 | 0      | 394    | 83     | 2,616              |
| 129  | Temple U.                                    | 58,686                       | 3,473  | 800    | 47,000 | 68     | 5,673  | 6      | 1,666              |
| 130  | Clemson U.                                   | 56,535                       | 6,402  | 2,840  | 4,442  | 754    | 10,360 | 11,544 | 20,193             |
| 131  | U. Central FL                                | 55,771                       | 22,165 | 6,081  | 7,634  | 7,284  | 6,731  | 261    | 5,615              |
| 132  | U. OR  | 55,190                       | 10,531 | 3,672  | 25,224 | 132    | 11,682 | 289    | 3,660              |
| 133  | Rice U.                                      | 54,959                       | 10,649 | 6,688  | 11,445 | 3,768  | 21,147 | 217    | 1,045              |
| 134  | Auburn U. all campuses                       | 54,748                       | 8,770  | 3,194  | 6,945  | 4,097  | 6,044  | 11,995 | 13,703             |
| 135  | U. CA, Riverside                             | 53,780                       | 11,465 | 4,086  | 12,572 | 1,748  | 17,302 | 3,566  | 3,041              |
| 136  | FL International U.                          | 52,838                       | 8,070  | 4,882  | 12,449 | 134    | 10,197 | 281    | 16,825             |
| 137  | U. MD Baltimore County                       | 50,561                       | 4,436  | 122    | 12,459 | 25,167 | 5,346  | 288    | 2,743              |
| 138  | George Mason U.                              | 50,392                       | 14,331 | 2,261  | 5,393  | 9,905  | 6,319  | 412    | 11,771             |
| 139  | U. RI  | 50,377                       | 5,486  | 170    | 10,517 | 985    | 12,849 | 7,811  | 12,559             |
| 140  | ND State U. all campuses                     | 50,038                       | 20,322 | 947    | 6,123  | 263    | 3,959  | 10,612 | 7,812              |
| 141  | St. Louis U. all campuses                    | 49,434                       | 450    | 184    | 43,234 | 3,162  | 789    | 49     | 1,566              |
| 142  | Rensselaer Polytechnic Institute             | 47,109                       | 13,171 | 5,275  | 8,625  | 1,278  | 16,052 | 0      | 2,708              |
| 143  | U. AL Huntsville, The                        | 47,068                       | 22,319 | 493    | 762    | 16,992 | 1,602  | 55     | 4,845              |
| 144  | U. ND all campuses                           | 46,620                       | 9,774  | 14,574 | 9,375  | 5,074  | 2,504  | 2,561  | 2,758              |
| 145  | U. ID  | 45,301                       | 4,517  | 3,323  | 9,549  | 3,329  | 6,388  | 11,463 | 6,732              |
| 146  | U.S. Air Force Academy                       | 43,787                       | 41,831 | 45     | 0      | 162    | 1,619  | 0      | 130                |
| 147  | U. Houston                                   | 43,162                       | 2,764  | 1,810  | 24,183 | 1,072  | 7,449  | 0      | 5,884              |

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| 148  | U. Southern MS                       | 42,540                       | 5,622  | 1,397  | 4,397  | 8,318 | 5,417  | 2,245  | 15,144             |
| 149  | U. NV, Las Vegas                     | 41,505                       | 3,444  | 28,244 | 2,127  | 499   | 3,360  | 1,162  | 2,669              |
| 150  | OK State U. all campuses             | 41,051                       | 12,834 | 2,319  | 5,793  | 194   | 7,474  | 9,333  | 3,104              |
| 151  | Rush U.                              | 40,942                       | 207    | 0      | 40,730 | 0     | 5      | 0      | 0                  |
| 152  | U. ME                                | 40,931                       | 6,954  | 778    | 3,761  | 1,597 | 12,598 | 7,633  | 7,610              |
| 153  | NJ Institute of Technology           | 40,087                       | 7,250  | 307    | 1,238  | 1,450 | 8,593  | 200    | 21,049             |
| 154  | Medical C. GA                        | 39,486                       | 229    | 0      | 38,829 | 53    | 158    | 0      | 217                |
| 155  | Brandeis U.                          | 38,204                       | 600    | 1,105  | 21,599 | 512   | 4,445  | 15     | 9,928              |
| 156  | Northeastern U.                      | 36,497                       | 3,402  | 1,080  | 13,242 | 452   | 16,184 | 0      | 2,137              |
| 157  | San Diego State U.                   | 36,267                       | 5,768  | 304    | 23,214 | 1,383 | 4,614  | 115    | 869                |
| 158  | Jackson State U.                     | 35,221                       | 6,176  | 2,089  | 10,954 | 148   | 5,806  | 32     | 10,016             |
| 159  | Howard U.                            | 34,630                       | 2,570  | 783    | 21,927 | 438   | 4,516  | 94     | 4,302              |
| 160  | U. MT-Missoula, The                  | 34,407                       | 2,249  | 315    | 11,009 | 1,243 | 6,854  | 3,891  | 8,846              |
| 161  | TX A&M U. System Health Science Ctr. | 33,044                       | 2,305  | 0      | 30,373 | 63    | 221    | 11     | 71                 |
| 162  | Loma Linda U.                        | 32,350                       | 12,510 | 2,199  | 11,154 | 3,585 | 0      | 0      | 2,902              |
| 163  | U. AR main campus                    | 31,531                       | 4,388  | 575    | 3,453  | 1,619 | 7,787  | 10,833 | 2,876              |
| 164  | Meharry Medical C.                   | 31,035                       | 822    | 0      | 30,105 | 0     | 96     | 0      | 12                 |
| 165  | Desert Research Institute            | 30,703                       | 8,129  | 9,530  | 0      | 1,117 | 5,323  | 190    | 6,414              |
| 166  | MI Technological U.                  | 29,868                       | 11,527 | 5,761  | 1,057  | 779   | 5,901  | 2,283  | 2,560              |
| 167  | U. Toledo                            | 29,201                       | 2,261  | 1,933  | 15,524 | 3,488 | 2,366  | 3,205  | 424                |
| 168  | U. PR Medical Sciences Campus        | 28,481                       | 0      | 0      | 28,338 | 0     | 104    | 0      | 39                 |
| 169  | U. WY                                | 28,372                       | 2,572  | 1,681  | 7,127  | 790   | 8,868  | 1,825  | 5,509              |
| 170  | Old Dominion U.                      | 28,298                       | 10,958 | 2,372  | 2,009  | 4,635 | 5,262  | 50     | 3,012              |
| 171  | U. TX El Paso                        | 26,902                       | 4,305  | 623    | 9,946  | 1,718 | 8,510  | 0      | 1,800              |
| 172  | GA State U.                          | 26,257                       | 1,118  | 1,886  | 10,775 | 591   | 5,852  | 81     | 5,954              |
| 173  | C. of William and Mary all campuses  | 25,645                       | 2,812  | 893    | 1,262  | 594   | 6,912  | 100    | 13,072             |
| 174  | SUNY Health Science Ctr. Brooklyn    | 25,299                       | 417    | 0      | 23,264 | 0     | 188    | 0      | 1,430              |
| 175  | Morehouse School of Medicine         | 24,985                       | 224    | 0      | 24,485 | 276   | 0      | 0      | 0                  |
| 176  | Syracuse U. all campuses             | 24,207                       | 1,929  | 1,267  | 5,687  | 987   | 7,757  | 188    | 6,392              |
| 177  | U. AL, The                           | 23,394                       | 1,424  | 2,793  | 3,371  | 1,776 | 7,139  | 235    | 6,656              |
| 178  | SUNY Upstate Medical U.              | 23,117                       | 142    | 0      | 17,552 | 322   | 22     | 3      | 5,076              |
| 179  | NY Medical C.                        | 23,107                       | 0      | 74     | 22,979 | 0     | 54     | 0      | 0                  |
| 180  | Loyola U. Chicago                    | 23,034                       | 155    | 0      | 21,384 | 0     | 791    | 275    | 429                |
| 181  | U. MA Lowell                         | 22,406                       | 9,388  | 594    | 5,436  | 164   | 4,588  | 0      | 2,236              |
| 182  | U. MO-Rolla                          | 22,353                       | 11,252 | 1,979  | 775    | 320   | 5,003  | 34     | 2,990              |
| 183  | Stevens Institute of Technology      | 22,182                       | 17,876 | 846    | 197    | 242   | 2,573  | 0      | 448                |
| 184  | San Jose State U.                    | 22,173                       | 2,643  | 182    | 1,401  | 9,727 | 3,717  | 37     | 4,466              |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                               | All federal R&D expenditures | DOD   | DOE   | HHS    | NASA   | NSF   | USDA  | Other <sup>a</sup> |
|------|---|------------------------------|-------|-------|--------|--------|-------|-------|--------------------|
| 185  | FL A&M U.                                 | 22,154                       | 2,129 | 216   | 6,122  | 50     | 2,636 | 6,543 | 4,458              |
| 186  | Lehigh U.                                 | 22,044                       | 4,725 | 2,583 | 3,255  | 1,583  | 8,335 | 36    | 1,527              |
| 187  | CUNY The City C.                          | 21,739                       | 175   | 456   | 3,640  | 6,624  | 4,170 | 18    | 6,656              |
| 188  | U. TX San Antonio                         | 21,523                       | 3,213 | 78    | 12,082 | 63     | 2,413 | 292   | 3,382              |
| 189  | U. TX Dallas                              | 21,383                       | 7,663 | 593   | 6,317  | 1,489  | 4,293 | 37    | 991                |
| 190  | Wright State U. all campuses              | 21,315                       | 7,872 | 193   | 10,403 | 393    | 1,088 | 35    | 1,331              |
| 191  | Boston C.                                 | 21,099                       | 6,546 | 652   | 6,117  | 178    | 4,171 | 0     | 3,435              |
| 192  | SD State U.                               | 20,912                       | 914   | 162   | 1,571  | 1,465  | 3,667 | 9,055 | 4,078              |
| 193  | Hampton U.                                | 20,910                       | 1,779 | 2,018 | 1,009  | 11,040 | 3,749 | 0     | 1,315              |
| 194  | U. TX Arlington                           | 20,721                       | 3,955 | 2,299 | 2,274  | 444    | 4,791 | 0     | 6,958              |
| 195  | CO School of Mines                        | 20,072                       | 5,642 | 5,047 | 457    | 1,652  | 4,340 | 79    | 2,855              |
| 196  | U. North TX Health Science Ctr. Ft. Worth | 19,818                       | 919   | 0     | 16,017 | 0      | 487   | 0     | 2,395              |
| 197  | TX Tech U.                                | 19,698                       | 5,995 | 2,561 | 1,251  | 791    | 4,186 | 3,009 | 1,905              |
| 198  | IL Institute of Technology                | 18,888                       | 1,077 | 1,963 | 11,637 | 200    | 2,579 | 295   | 1,137              |
| 199  | Portland State U.                         | 18,743                       | 2,865 | 1,347 | 4,142  | 803    | 4,922 | 182   | 4,482              |
| 200  | Marshall U.                               | 18,492                       | 3,473 | 577   | 5,685  | 1,921  | 1,051 | 226   | 5,559              |
| 201  | NC Agricultural and Technical State U.    | 18,405                       | 4,281 | 449   | 1,281  | 887    | 4,385 | 3,896 | 3,226              |
| 202  | OH U. all campuses                        | 18,204                       | 1,581 | 1,923 | 0      | 255    | 4,832 | 14    | 9,599              |
| 203  | U. MD Biotechnology Institute             | 17,952                       | 685   | 688   | 9,458  | 0      | 2,024 | 593   | 4,504              |
| 204  | FL Atlantic U.                            | 17,642                       | 4,694 | 0     | 4,403  | 0      | 3,881 | 150   | 4,514              |
| 205  | U. SD                                     | 17,569                       | 608   | 0     | 14,683 | 4      | 1,988 | 0     | 286                |
| 206  | Eastern VA Medical School                 | 17,499                       | 89    | 3     | 5,910  | 308    | 0     | 0     | 11,189             |
| 207  | Southern IL U. Carbondale                 | 17,499                       | 1,708 | 761   | 8,968  | 2      | 2,684 | 1,562 | 1,814              |
| 208  | Brigham Young U. all campuses             | 17,128                       | 2,798 | 1,421 | 3,687  | 1,038  | 6,415 | 604   | 1,165              |
| 209  | U. WI Milwaukee                           | 16,895                       | 685   | 767   | 6,484  | 16     | 4,695 | 619   | 3,629              |
| 210  | U. PR Rio Piedras Campus                  | 16,811                       | 450   | 0     | 6,095  | 1,109  | 9,043 | 0     | 114                |
| 211  | U. MO-Kansas City                         | 16,765                       | 769   | 181   | 13,949 | 42     | 1,190 | 82    | 552                |
| 212  | U. South AL                               | 15,746                       | 0     | 0     | 10,468 | 0      | 526   | 0     | 4,752              |
| 213  | U. Memphis, The                           | 15,393                       | 2,052 | 52    | 5,369  | 16     | 2,533 | 35    | 5,336              |
| 214  | U. Southern ME                            | 15,138                       | 282   | 36    | 7,293  | 259    | 681   | 2,374 | 4,213              |
| 215  | Catholic U. America, The                  | 15,020                       | 946   | 5,651 | 1,122  | 4,841  | 1,313 | 0     | 1,147              |
| 216  | CUNY Hunter C.                            | 14,978                       | 590   | 343   | 11,750 | 104    | 2,078 | 0     | 113                |
| 217  | SUNY Binghamton                           | 14,402                       | 3,035 | 343   | 4,988  | 518    | 2,314 | 39    | 3,165              |
| 218  | Rochester Institute of Technology         | 14,370                       | 5,360 | 1,397 | 2,287  | 1,768  | 1,395 | 81    | 2,082              |
| 219  | U. NC Wilmington                          | 13,949                       | 1,083 | 45    | 1,192  | 7      | 2,032 | 191   | 9,399              |
| 220  | SD School of Mines and Technology         | 13,866                       | 291   | 0     | 9      | 0      | 551   | 63    | 12,952             |
| 221  | Wichita State U.                          | 13,485                       | 3,239 | 22    | 3,157  | 1,163  | 1,236 | 0     | 4,668              |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                                   | All federal R&D expenditures | DOD    | DOE   | HHS   | NASA  | NSF   | USDA  | Other <sup>a</sup> |
|------|---|------------------------------|--------|-------|-------|-------|-------|-------|--------------------|
| 222  | Northern AZ U.                                | 13,298                       | 79     | 2,272 | 1,681 | 202   | 3,757 | 1,115 | 4,192              |
| 223  | U. MA Dartmouth                               | 13,087                       | 1,510  | 0     | 413   | 166   | 1,985 | 762   | 8,251              |
| 224  | ID State U.                                   | 13,002                       | 2,314  | 3,670 | 2,513 | 814   | 2,583 | 250   | 858                |
| 225  | U. of the VI                                  | 12,770                       | 0      | 5,917 | 1,671 | 0     | 1,556 | 2,191 | 1,435              |
| 226  | CA State U. Long Beach                        | 12,702                       | 6,345  | 20    | 3,390 | 0     | 925   | 15    | 2,007              |
| 227  | Kent State U. all campuses                    | 12,476                       | 1,746  | 889   | 5,313 | 9     | 3,339 | 44    | 1,136              |
| 228  | U. LA Lafayette                               | 12,426                       | 1,376  | 617   | 4,183 | 67    | 1,286 | 290   | 4,607              |
| 229  | U. MD Ctr. for Environmental Science          | 12,019                       | 507    | 0     | 0     | 413   | 2,422 | 327   | 8,350              |
| 230  | Mercer U. all campuses                        | 12,012                       | 11,175 | 0     | 818   | 0     | 14    | 0     | 5                  |
| 231  | U. MA Boston                                  | 12,001                       | 244    | 865   | 4,373 | 30    | 2,500 | 0     | 3,989              |
| 232  | Northern IL U.                                | 11,566                       | 3,692  | 619   | 1,426 | 104   | 2,047 | 179   | 3,499              |
| 233  | Tuskegee U.                                   | 11,522                       | 195    | 152   | 4,388 | 692   | 32    | 3,808 | 2,255              |
| 234  | Morgan State U.                               | 10,978                       | 1,786  | 516   | 1,916 | 2,874 | 1,326 | 0     | 2,560              |
| 235  | Miami U. all campuses                         | 10,872                       | 100    | 635   | 478   | 255   | 3,892 | 193   | 5,319              |
| 236  | East Carolina U.                              | 10,807                       | 834    | 196   | 7,471 | 199   | 1,214 | 305   | 588                |
| 237  | Creighton U.                                  | 10,722                       | 357    | 615   | 9,230 | 286   | 54    | 0     | 180                |
| 238  | U. NC Charlotte                               | 10,635                       | 1,658  | 373   | 3,389 | 0     | 4,175 | 137   | 903                |
| 239  | Southern Methodist U.                         | 10,612                       | 4,632  | 1,038 | 1,672 | 422   | 2,139 | 43    | 666                |
| 240  | Albany Medical C.                             | 10,239                       | 0      | 452   | 9,766 | 0     | 0     | 0     | 21                 |
| 241  | San Francisco State U.                        | 10,143                       | 0      | 178   | 5,279 | 346   | 1,995 | 71    | 2,274              |
| 242  | Worcester Polytechnic Institute               | 9,977                        | 2,537  | 538   | 1,058 | 144   | 2,828 | 15    | 2,857              |
| 243  | Alcorn State U.                               | 9,525                        | 1,616  | 316   | 672   | 0     | 20    | 6,891 | 10                 |
| 244  | U.S. Military Academy                         | 9,293                        | 8,842  | 12    | 0     | 0     | 0     | 0     | 439                |
| 245  | U. Akron all campuses                         | 9,272                        | 1,228  | 603   | 1,757 | 1,001 | 3,382 | 0     | 1,301              |
| 246  | SUNY C. of Environmental Science and Forestry | 9,239                        | 1,071  | 943   | 0     | 221   | 1,200 | 1,550 | 4,254              |
| 247  | U. Denver                                     | 9,212                        | 244    | 31    | 5,276 | 923   | 1,228 | 30    | 1,480              |
| 248  | Boise State U.                                | 9,124                        | 2,090  | 1,569 | 1,042 | 42    | 2,820 | 121   | 1,440              |
| 249  | TX Tech U. Health Science Ctr.                | 8,995                        | 0      | 0     | 7,185 | 0     | 0     | 0     | 1,810              |
| 250  | CUNY Queens C.                                | 8,940                        | 147    | 4,038 | 2,055 | 0     | 864   | 0     | 1,836              |
| 251  | CA State U. Los Angeles                       | 8,848                        | 324    | 82    | 4,297 | 996   | 2,618 | 123   | 408                |
| 252  | Western MI U.                                 | 8,591                        | 1,202  | 871   | 2,110 | 239   | 2,322 | 56    | 1,791              |
| 253  | U.S. Naval Academy                            | 8,463                        | 7,055  | 0     | 0     | 678   | 404   | 0     | 326                |
| 254  | Clarkson U.                                   | 8,269                        | 1,566  | 384   | 683   | 56    | 2,705 | 282   | 2,593              |
| 255  | Air Force Institute of Technology             | 8,244                        | 8,062  | 5     | 0     | 0     | 177   | 0     | 0                  |
| 256  | U. North TX                                   | 8,241                        | 1,881  | 274   | 616   | 35    | 3,531 | 131   | 1,773              |
| 257  | MO State U.                                   | 7,747                        | 6,001  | 0     | 281   | 0     | 140   | 389   | 936                |
| 258  | Prairie View A&M U.                           | 7,659                        | 1,220  | 552   | 276   | 550   | 847   | 3,157 | 1,057              |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                                  | All federal R&D expenditures | DOD   | DOE   | HHS   | NASA  | NSF   | USDA  | Other <sup>a</sup> |
|------|--|------------------------------|-------|-------|-------|-------|-------|-------|--------------------|
| 259  | Teachers C. Columbia U.                      | 7,622                        | 0     | 3,010 | 3,321 | 1     | 296   | 0     | 994                |
| 260  | CA State Polytechnic U. San Luis Obispo      | 7,603                        | 828   | 10    | 17    | 1,078 | 1,481 | 397   | 3,792              |
| 261  | TN State U.                                  | 7,576                        | 1,552 | 148   | 1,707 | 226   | 579   | 3,364 | 0                  |
| 262  | U. LA Monroe                                 | 7,429                        | 128   | 0     | 2,672 | 0     | 39    | 0     | 4,590              |
| 263  | CA State U. Northridge                       | 7,381                        | 92    | 227   | 3,532 | 242   | 3,126 | 25    | 137                |
| 264  | Universidad Central del Caribe               | 7,304                        | 0     | 0     | 6,209 | 0     | 0     | 0     | 1,095              |
| 265  | Norfolk State U.                             | 7,287                        | 622   | 134   | 948   | 1,283 | 2,916 | 26    | 1,358              |
| 266  | DE State U.                                  | 7,097                        | 1,117 | 0     | 1,557 | 0     | 2,166 | 1,931 | 326                |
| 267  | Marquette U.                                 | 7,075                        | 545   | 117   | 3,173 | 180   | 1,502 | 116   | 1,442              |
| 268  | Rosalind Franklin U. of Medicine and Science | 6,936                        | 241   | 0     | 6,695 | 0     | 0     | 0     | 0                  |
| 269  | Clark Atlanta U.                             | 6,784                        | 13    | 389   | 2,324 | 611   | 2,368 | 34    | 1,045              |
| 270  | FL Institute of Technology                   | 6,706                        | 751   | 190   | 613   | 1,630 | 1,916 | 0     | 1,606              |
| 271  | Western KY U.                                | 6,536                        | 564   | 167   | 969   | 1,008 | 402   | 945   | 2,481              |
| 272  | LA Tech U.                                   | 6,399                        | 965   | 451   | 524   | 102   | 2,583 | 302   | 1,472              |
| 273  | U. NC Greensboro                             | 6,336                        | 426   | 0     | 4,382 | 3     | 1,278 | 144   | 103                |
| 274  | U. Tulsa                                     | 6,331                        | 552   | 808   | 1,003 | 25    | 2,136 | 0     | 1,807              |
| 275  | NC Central U.                                | 6,323                        | 192   | 72    | 3,774 | 88    | 818   | 0     | 1,379              |
| 276  | SC State U.                                  | 6,252                        | 87    | 78    | 553   | 61    | 1,652 | 2,990 | 831                |
| 277  | Polytechnic U.                               | 6,050                        | 1,088 | 0     | 0     | 248   | 4,342 | 0     | 372                |
| 278  | TX A&M U. Corpus Christi                     | 6,015                        | 2,627 | 0     | 73    | 0     | 656   | 0     | 2,659              |
| 279  | VA State U.                                  | 5,973                        | 0     | 36    | 125   | 0     | 118   | 5,555 | 139                |
| 280  | Bowling Green State U. all campuses          | 5,918                        | 2,222 | 219   | 1,950 | 202   | 717   | 0     | 608                |
| 281  | U. HI Hilo                                   | 5,877                        | 0     | 0     | 27    | 152   | 871   | 563   | 4,264              |
| 282  | Ponce School of Medicine                     | 5,707                        | 0     | 0     | 0     | 0     | 0     | 0     | 5,707              |
| 283  | U. MD Eastern Shore                          | 5,648                        | 0     | 805   | 144   | 0     | 25    | 2,030 | 2,644              |
| 284  | Southern U. and A&M C. all campuses          | 5,593                        | 2,852 | 220   | 584   | 726   | 729   | 61    | 421                |
| 285  | AL A&M U.                                    | 5,566                        | 883   | 259   | 0     | 770   | 1,951 | 1,335 | 368                |
| 286  | U. GU  | 5,550                        | 0     | 5     | 1,000 | 0     | 86    | 2,872 | 1,587              |
| 287  | U. MO-St. Louis                              | 5,424                        | 256   | 38    | 1,441 | 12    | 2,024 | 83    | 1,570              |
| 288  | Villanova U.                                 | 5,388                        | 3,697 | 0     | 90    | 181   | 1,033 | 40    | 347                |
| 289  | Oakland U.                                   | 5,357                        | 1,667 | 19    | 1,911 | 18    | 1,738 | 0     | 4                  |
| 290  | U. AK Anchorage all campuses                 | 5,258                        | 0     | 0     | 1,382 | 0     | 2,004 | 160   | 1,712              |
| 291  | TN Technological U.                          | 5,094                        | 1,150 | 923   | 0     | 92    | 815   | 92    | 2,022              |
| 292  | Cleveland State U.                           | 5,027                        | 237   | 253   | 1,772 | 1,675 | 323   | 5     | 762                |
| 293  | CA State U. Fullerton                        | 4,980                        | 257   | 96    | 1,598 | 225   | 2,394 | 0     | 410                |
| 294  | East TN State U.                             | 4,911                        | 50    | 0     | 4,406 | 46    | 75    | 40    | 294                |
| 295  | U. CA, Merced                                | 4,852                        | 41    | 716   | 646   | 75    | 2,077 | 50    | 1,247              |



TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                     | All federal R&D expenditures | DOD   | DOE   | HHS   | NASA  | NSF   | USDA  | Other <sup>a</sup> |
|------|---------------------------------|------------------------------|-------|-------|-------|-------|-------|-------|--------------------|
| 296  | Humboldt State U.               | 4,723                        | 225   | 10    | 0     | 0     | 732   | 231   | 3,525              |
| 297  | Tarleton State U.               | 4,701                        | 0     | 0     | 0     | 0     | 0     | 4,609 | 92                 |
| 298  | MT Tech of the U. MT            | 4,694                        | 627   | 1,061 | 674   | 137   | 318   | 110   | 1,767              |
| 299  | Morehouse C.                    | 4,650                        | 178   | 376   | 3,326 | 17    | 492   | 0     | 261                |
| 300  | Lincoln U. (Jefferson City, MO) | 4,574                        | 2,407 | 0     | 67    | 2     | 3     | 2,095 | 0                  |
| 301  | Embry-Riddle Aeronautical U.    | 4,572                        | 301   | 137   | 0     | 563   | 943   | 0     | 2,628              |
| 302  | AR State U. main campus         | 4,542                        | 2,660 | 17    | 139   | 14    | 1,063 | 82    | 567                |
| 303  | CA State U. San Bernardino      | 4,447                        | 2,939 | 0     | 1,083 | 82    | 286   | 22    | 35                 |
| 304  | Duquesne U.                     | 4,377                        | 309   | 146   | 2,242 | 0     | 1,166 | 84    | 430                |
| 305  | U. TX Brownsville               | 4,371                        | 210   | 11    | 1,983 | 567   | 1,434 | 3     | 163                |
| 306  | CUNY Graduate Ctr.              | 4,304                        | 0     | 0     | 848   | 0     | 2,514 | 0     | 942                |
| 307  | Nova Southeastern U.            | 4,294                        | 0     | 0     | 1,883 | 0     | 6     | 0     | 2,405              |
| 308  | Xavier U. LA                    | 4,280                        | 881   | 190   | 2,074 | 152   | 108   | 87    | 788                |
| 309  | U. DC                           | 4,211                        | 0     | 0     | 2,732 | 0     | 480   | 892   | 107                |
| 310  | Wesleyan U.                     | 4,133                        | 98    | 0     | 2,435 | 198   | 1,362 | 0     | 40                 |
| 311  | IL State U.                     | 3,996                        | 53    | 258   | 1,226 | 24    | 1,714 | 336   | 385                |
| 312  | TX Southern U.                  | 3,955                        | 250   | 0     | 1,025 | 2,277 | 390   | 0     | 13                 |
| 313  | C. Charleston                   | 3,943                        | 0     | 89    | 661   | 786   | 1,293 | 123   | 991                |
| 314  | KY State U.                     | 3,849                        | 0     | 0     | 28    | 0     | 98    | 3,723 | 0                  |
| 315  | U. AR Pine Bluff                | 3,788                        | 163   | 0     | 0     | 0     | 411   | 2,666 | 548                |
| 316  | U. TX-Pan American              | 3,768                        | 1,170 | 0     | 1,054 | 34    | 771   | 64    | 675                |
| 317  | CA State U. Fresno              | 3,684                        | 127   | 0     | 884   | 166   | 186   | 957   | 1,364              |
| 318  | James Madison U.                | 3,650                        | 55    | 154   | 424   | 0     | 1,010 | 77    | 1,930              |
| 319  | Stephen F. Austin State U.      | 3,606                        | 2,548 | 0     | 0     | 0     | 93    | 613   | 352                |
| 320  | CA State U. Monterey Bay        | 3,596                        | 0     | 0     | 0     | 2,920 | 50    | 59    | 567                |
| 321  | Langston U.                     | 3,489                        | 0     | 0     | 0     | 0     | 0     | 3,489 | 0                  |
| 322  | Smith C.                        | 3,429                        | 0     | 0     | 1,074 | 54    | 2,204 | 0     | 97                 |
| 323  | U. West FL                      | 3,426                        | 973   | 0     | 46    | 0     | 38    | 7     | 2,362              |
| 324  | Ball State U.                   | 3,423                        | 416   | 318   | 1,491 | 386   | 319   | 15    | 478                |
| 325  | TX A&M U. Kingsville            | 3,364                        | 58    | 118   | 1,023 | 20    | 1,478 | 463   | 204                |
| 326  | CUNY Brooklyn C.                | 3,329                        | 148   | 0     | 2,300 | 0     | 724   | 43    | 114                |
| 327  | CA State U. Sacramento          | 3,299                        | 62    | 0     | 88    | 0     | 68    | 0     | 3,081              |
| 328  | Ft. Valley State U.             | 3,297                        | 0     | 0     | 0     | 0     | 0     | 3,297 | 0                  |
| 329  | Baylor U.                       | 3,220                        | 184   | 767   | 389   | 0     | 460   | 102   | 1,318              |
| 330  | St. Francis U. (Loretto, PA)    | 3,147                        | 3,100 | 47    | 0     | 0     | 0     | 0     | 0                  |
| 331  | Western WA U.                   | 3,100                        | 0     | 0     | 298   | 0     | 2,090 | 76    | 636                |
| 332  | Wellesley C.                    | 3,083                        | 0     | 0     | 1,446 | 315   | 1,046 | 0     | 276                |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                                 | All federal R&D expenditures | DOD   | DOE   | HHS   | NASA  | NSF   | USDA  | Other <sup>a</sup> |
|------|---|------------------------------|-------|-------|-------|-------|-------|-------|--------------------|
| 333  | CA State U. Dominguez Hills                 | 3,036                        | 178   | 0     | 982   | 0     | 1,710 | 0     | 166                |
| 334  | Elizabeth City State U.                     | 2,979                        | 0     | 209   | 360   | 2     | 385   | 0     | 2,023              |
| 335  | Clark U.                                    | 2,878                        | 0     | 270   | 1,146 | 149   | 995   | 45    | 273                |
| 336  | Fisk U.                                     | 2,851                        | 250   | 0     | 0     | 655   | 1,650 | 0     | 296                |
| 337  | Fordham U.                                  | 2,774                        | 0     | 114   | 2,348 | 0     | 301   | 11    | 0                  |
| 338  | WV State U.                                 | 2,723                        | 0     | 10    | 201   | 0     | 99    | 2,413 | 0                  |
| 339  | FL Gulf Coast U.                            | 2,719                        | 854   | 19    | 0     | 36    | 70    | 0     | 1,740              |
| 340  | La Salle U.                                 | 2,714                        | 0     | 0     | 0     | 0     | 2,714 | 0     | 0                  |
| 341  | Rowan U.                                    | 2,709                        | 58    | 1,150 | 422   | 110   | 695   | 0     | 274                |
| 342  | Lamar U.                                    | 2,692                        | 2,111 | 0     | 71    | 0     | 337   | 90    | 83                 |
| 343  | CUNY Herbert H. Lehman C.                   | 2,689                        | 86    | 80    | 1,841 | 0     | 437   | 22    | 223                |
| 344  | TX Christian U.                             | 2,685                        | 35    | 0     | 2,225 | 231   | 174   | 20    | 0                  |
| 345  | Southern IL U. Edwardsville                 | 2,668                        | 30    | 0     | 63    | 32    | 607   | 571   | 1,365              |
| 346  | AL State U.                                 | 2,461                        | 2     | 142   | 2,219 | 92    | 0     | 0     | 6                  |
| 347  | Northeastern OH Universities C. of Medicine | 2,417                        | 2     | 0     | 2,296 | 4     | 76    | 0     | 39                 |
| 348  | Barnard C.                                  | 2,411                        | 0     | 31    | 1,368 | 14    | 945   | 0     | 53                 |
| 349  | Eastern MI U.                               | 2,381                        | 0     | 115   | 163   | 7     | 1,251 | 136   | 709                |
| 350  | Central State U.                            | 2,376                        | 120   | 1,608 | 30    | 140   | 233   | 0     | 245                |
| 351  | Oakwood C.                                  | 2,271                        | 0     | 0     | 0     | 2,261 | 10    | 0     | 0                  |
| 352  | West TX A&M U.                              | 2,242                        | 0     | 963   | 0     | 0     | 391   | 803   | 85                 |
| 353  | DePaul U.                                   | 2,240                        | 0     | 56    | 1,196 | 74    | 796   | 1     | 117                |
| 354  | Western Carolina U.                         | 2,225                        | 0     | 0     | 25    | 0     | 380   | 687   | 1,133              |
| 355  | Central WA U.                               | 2,174                        | 0     | 0     | 65    | 35    | 1,888 | 0     | 186                |
| 356  | CUNY John Jay C. of Criminal Justice        | 2,162                        | 539   | 0     | 1,193 | 0     | 203   | 0     | 227                |
| 357  | CUNY York C.                                | 2,160                        | 0     | 0     | 2,160 | 0     | 0     | 0     | 0                  |
| 358  | Black Hills State U.                        | 2,148                        | 0     | 198   | 1,780 | 0     | 157   | 3     | 10                 |
| 359  | TX State U. San Marcos                      | 2,146                        | 79    | 29    | 412   | 0     | 186   | 260   | 1,180              |
| 360  | U. PR Humacao                               | 2,104                        | 0     | 0     | 1,254 | 0     | 566   | 21    | 263                |
| 361  | Long Island U. all campuses                 | 2,094                        | 0     | 0     | 1,925 | 0     | 30    | 0     | 139                |
| 362  | Kettering U.                                | 2,035                        | 1,653 | 23    | 0     | 0     | 92    | 0     | 267                |
| 363  | West Chester U. PA                          | 2,015                        | 1,329 | 0     | 0     | 222   | 150   | 0     | 314                |
| 364  | Spelman C.                                  | 2,005                        | 0     | 0     | 1,243 | 0     | 762   | 0     | 0                  |
| 365  | Shaw U.                                     | 1,997                        | 0     | 0     | 1,290 | 0     | 171   | 0     | 536                |
| 366  | SUNY C. of Optometry                        | 1,982                        | 0     | 0     | 1,963 | 0     | 19    | 0     | 0                  |
| 367  | Mt. Holyoke C.                              | 1,947                        | 0     | 33    | 96    | 210   | 1,363 | 0     | 245                |
| 368  | Tougaloo C.                                 | 1,936                        | 0     | 0     | 1,913 | 0     | 23    | 0     | 0                  |
| 369  | Chicago State U.                            | 1,926                        | 966   | 0     | 781   | 0     | 0     | 0     | 179                |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                     | All federal R&D expenditures | DOD   | DOE | HHS   | NASA  | NSF   | USDA | Other <sup>a</sup> |
|------|---------------------------------|------------------------------|-------|-----|-------|-------|-------|------|--------------------|
| 370  | Savannah State U.               | 1,864                        | 0     | 399 | 144   | 0     | 785   | 0    | 536                |
| 371  | U. Richmond                     | 1,864                        | 0     | 187 | 232   | 0     | 1,438 | 7    | 0                  |
| 372  | Calvin C.                       | 1,855                        | 41    | 0   | 315   | 0     | 346   | 0    | 1,153              |
| 373  | Morehead State U.               | 1,788                        | 0     | 145 | 728   | 158   | 5     | 0    | 752                |
| 374  | PA C. of Optometry              | 1,776                        | 0     | 0   | 1,776 | 0     | 0     | 0    | 0                  |
| 375  | U. TX Tyler                     | 1,771                        | 578   | 883 | 86    | 53    | 44    | 0    | 127                |
| 376  | CA State Polytechnic U. Pomona  | 1,750                        | 27    | 33  | 1,420 | 13    | 182   | 64   | 11                 |
| 377  | Fairmont State U.               | 1,718                        | 0     | 0   | 0     | 1,059 | 0     | 0    | 659                |
| 378  | Middlebury C.                   | 1,710                        | 114   | 82  | 620   | 48    | 721   | 21   | 104                |
| 379  | U. North FL                     | 1,702                        | 594   | 66  | 421   | 1     | 323   | 0    | 297                |
| 380  | U. AK Southeast all campuses    | 1,695                        | 0     | 0   | 130   | 416   | 336   | 189  | 624                |
| 381  | Palmer C. of Chiropractic       | 1,640                        | 0     | 0   | 0     | 0     | 0     | 0    | 1,640              |
| 382  | Harvey Mudd C.                  | 1,637                        | 63    | 0   | 0     | 79    | 1,337 | 0    | 158                |
| 383  | Sam Houston State U.            | 1,625                        | 1,112 | 1   | 129   | 28    | 310   | 45   | 0                  |
| 384  | U. NC Asheville                 | 1,619                        | 0     | 184 | 0     | 392   | 281   | 624  | 138                |
| 385  | U. WI Superior                  | 1,599                        | 0     | 0   | 0     | 0     | 4     | 0    | 1,595              |
| 386  | Clafin U.                       | 1,592                        | 0     | 0   | 993   | 116   | 483   | 0    | 0                  |
| 387  | Bucknell U.                     | 1,539                        | 109   | 0   | 94    | 170   | 1,073 | 0    | 93                 |
| 388  | Monmouth U.                     | 1,538                        | 1,025 | 0   | 0     | 0     | 40    | 0    | 473                |
| 389  | American U.                     | 1,494                        | 0     | 0   | 359   | 844   | 107   | 0    | 184                |
| 390  | St. Joseph's U.                 | 1,486                        | 721   | 0   | 96    | 0     | 585   | 0    | 84                 |
| 391  | Appalachian State U.            | 1,485                        | 249   | 0   | 78    | 74    | 475   | 20   | 589                |
| 392  | Carleton C.                     | 1,485                        | 0     | 81  | 129   | 0     | 1,231 | 2    | 42                 |
| 393  | Dillard U.                      | 1,473                        | 398   | 298 | 354   | 0     | 423   | 0    | 0                  |
| 394  | Milwaukee School of Engineering | 1,465                        | 266   | 0   | 256   | 2     | 576   | 150  | 215                |
| 395  | Coastal Carolina U.             | 1,445                        | 163   | 0   | 48    | 78    | 843   | 0    | 313                |
| 396  | U. WI Stevens Point             | 1,410                        | 84    | 16  | 0     | 8     | 20    | 425  | 857                |
| 397  | Central MI U.                   | 1,390                        | 0     | 0   | 363   | 0     | 669   | 0    | 358                |
| 398  | Seton Hall U.                   | 1,374                        | 0     | 0   | 852   | 0     | 19    | 0    | 503                |
| 399  | St. John's U. (Jamaica, NY)     | 1,364                        | 0     | 0   | 1,364 | 0     | 0     | 0    | 0                  |
| 400  | Northwestern Health Sciences U. | 1,361                        | 0     | 0   | 1,359 | 0     | 0     | 0    | 2                  |
| 401  | U. WI La Crosse                 | 1,329                        | 49    | 0   | 340   | 50    | 217   | 33   | 640                |
| 402  | U. New England                  | 1,319                        | 74    | 0   | 607   | 183   | 202   | 0    | 253                |
| 403  | CA State U. East Bay            | 1,287                        | 0     | 135 | 897   | 5     | 139   | 24   | 87                 |
| 404  | U. Northern CO                  | 1,283                        | 12    | 0   | 431   | 24    | 493   | 0    | 323                |
| 405  | Benedict C.                     | 1,281                        | 0     | 131 | 698   | 5     | 447   | 0    | 0                  |
| 406  | Bowdoin C.                      | 1,271                        | 0     | 20  | 536   | 14    | 673   | 0    | 28                 |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                       | All federal R&D expenditures | DOD | DOE | HHS   | NASA | NSF   | USDA | Other <sup>a</sup> |
|------|-----------------------------------|------------------------------|-----|-----|-------|------|-------|------|--------------------|
| 407  | Fayetteville State U.             | 1,270                        | 0   | 67  | 914   | 17   | 272   | 0    | 0                  |
| 408  | SUNY C. Buffalo                   | 1,259                        | 78  | 104 | 748   | 16   | 216   | 0    | 97                 |
| 409  | OR Institute of Technology        | 1,250                        | 0   | 168 | 0     | 0    | 89    | 10   | 983                |
| 410  | Governors State U.                | 1,243                        | 0   | 0   | 1,105 | 0    | 138   | 0    | 0                  |
| 411  | Colgate U.                        | 1,235                        | 75  | 0   | 0     | 0    | 1,024 | 0    | 136                |
| 412  | U. of the Pacific                 | 1,213                        | 0   | 0   | 538   | 0    | 655   | 0    | 20                 |
| 413  | Ithaca C.                         | 1,197                        | 0   | 0   | 158   | 34   | 823   | 9    | 173                |
| 414  | Amherst C.                        | 1,194                        | 0   | 0   | 237   | 0    | 957   | 0    | 0                  |
| 415  | CUNY C. Staten Island             | 1,191                        | 159 | 0   | 587   | 0    | 445   | 0    | 0                  |
| 416  | Bryn Mawr C.                      | 1,180                        | 133 | 0   | 452   | 69   | 524   | 2    | 0                  |
| 417  | U. Redlands                       | 1,165                        | 990 | 0   | 0     | 120  | 0     | 0    | 55                 |
| 418  | TX Woman's U.                     | 1,146                        | 70  | 0   | 883   | 0    | 0     | 174  | 19                 |
| 419  | Hobart and William Smith Colleges | 1,145                        | 0   | 119 | 24    | 10   | 992   | 0    | 0                  |
| 420  | Lawrence Technological U.         | 1,129                        | 773 | 0   | 0     | 0    | 125   | 0    | 231                |
| 421  | NM Highlands U.                   | 1,115                        | 0   | 0   | 964   | 0    | 36    | 88   | 27                 |
| 422  | Sinte Gleska U.                   | 1,115                        | 0   | 0   | 431   | 100  | 168   | 334  | 82                 |
| 423  | U. IL Springfield                 | 1,113                        | 0   | 0   | 0     | 0    | 201   | 0    | 912                |
| 424  | Alfred U. all campuses            | 1,110                        | 0   | 58  | 0     | 2    | 281   | 0    | 769                |
| 425  | New England C. of Optometry       | 1,101                        | 0   | 148 | 0     | 0    | 0     | 0    | 953                |
| 426  | Franklin & Marshall C.            | 1,095                        | 23  | 0   | 107   | 7    | 901   | 0    | 57                 |
| 427  | Sul Ross State U.                 | 1,094                        | 208 | 0   | 0     | 0    | 10    | 687  | 189                |
| 428  | IN State U. all campuses          | 1,079                        | 12  | 66  | 334   | 75   | 471   | 39   | 82                 |
| 429  | Whitman C.                        | 1,064                        | 0   | 0   | 0     | 58   | 931   | 0    | 75                 |
| 430  | Lafayette C.                      | 1,063                        | 0   | 0   | 74    | 0    | 918   | 18   | 53                 |
| 431  | Northern KY U.                    | 1,062                        | 0   | 0   | 757   | 89   | 70    | 0    | 146                |
| 432  | Wheeling Jesuit U.                | 1,062                        | 0   | 0   | 33    | 2    | 0     | 0    | 1,027              |
| 433  | Youngstown State U.               | 1,059                        | 308 | 19  | 4     | 33   | 528   | 0    | 167                |
| 434  | U. of the Sciences Philadelphia   | 1,054                        | 90  | 10  | 0     | 0    | 409   | 0    | 545                |
| 435  | Vassar C.                         | 1,052                        | 24  | 0   | 153   | 23   | 828   | 0    | 24                 |
| 436  | Southeastern LA U.                | 1,045                        | 0   | 40  | 139   | 0    | 207   | 0    | 659                |
| 437  | Furman U.                         | 1,042                        | 0   | 16  | 763   | 1    | 262   | 0    | 0                  |
| 438  | U. Hartford                       | 1,028                        | 0   | 0   | 0     | 449  | 265   | 0    | 314                |
| 439  | Pomona C.                         | 1,016                        | 0   | 0   | 434   | 64   | 479   | 0    | 39                 |
| 440  | U. West GA                        | 998                          | 0   | 0   | 0     | 30   | 868   | 0    | 100                |
| 441  | IL Wesleyan U.                    | 993                          | 0   | 0   | 415   | 0    | 578   | 0    | 0                  |
| 442  | SUNY C. Geneseo                   | 987                          | 168 | 486 | 79    | 9    | 172   | 73   | 0                  |
| 443  | New School, The                   | 980                          | 767 | 0   | 0     | 0    | 213   | 0    | 0                  |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                         | All federal R&D expenditures | DOD | DOE | HHS | NASA | NSF | USDA | Other <sup>a</sup> |
|------|-------------------------------------|------------------------------|-----|-----|-----|------|-----|------|--------------------|
| 444  | Trinity U.                          | 979                          | 127 | 0   | 130 | 3    | 703 | 3    | 13                 |
| 445  | Hope C.                             | 972                          | 0   | 0   | 105 | 48   | 760 | 0    | 59                 |
| 446  | U. WI Oshkosh                       | 972                          | 0   | 0   | 116 | 106  | 538 | 13   | 199                |
| 447  | Loyola Marymount U.                 | 962                          | 0   | 7   | 453 | 0    | 249 | 0    | 253                |
| 448  | MS Valley State U.                  | 951                          | 0   | 0   | 0   | 7    | 895 | 0    | 49                 |
| 449  | Towson U.                           | 936                          | 49  | 44  | 89  | 116  | 361 | 1    | 276                |
| 450  | Union C. (Schenectady, NY)          | 930                          | 0   | 94  | 0   | 0    | 749 | 0    | 87                 |
| 451  | St. Olaf C.                         | 919                          | 0   | 0   | 0   | 0    | 919 | 0    | 0                  |
| 452  | Albany State U.                     | 896                          | 0   | 0   | 869 | 0    | 0   | 0    | 27                 |
| 453  | Plymouth State U.                   | 892                          | 0   | 0   | 0   | 39   | 177 | 111  | 565                |
| 454  | Hamilton C. (Clinton, NY)           | 888                          | 0   | 132 | 98  | 0    | 658 | 0    | 0                  |
| 455  | St. Cloud State U.                  | 883                          | 0   | 0   | 129 | 0    | 370 | 25   | 359                |
| 456  | SUNY C. Old Westbury                | 878                          | 0   | 60  | 765 | 0    | 6   | 0    | 47                 |
| 457  | MT State U. Billings                | 865                          | 0   | 523 | 317 | 0    | 25  | 0    | 0                  |
| 458  | Claremont Graduate U.               | 858                          | 0   | 0   | 95  | 0    | 110 | 0    | 653                |
| 459  | U. Northern IA                      | 858                          | 0   | 275 | 73  | 0    | 84  | 306  | 120                |
| 460  | Wilberforce U.                      | 854                          | 0   | 718 | 136 | 0    | 0   | 0    | 0                  |
| 461  | Washington and Jefferson C.         | 846                          | 846 | 0   | 0   | 0    | 0   | 0    | 0                  |
| 462  | U. Central OK                       | 843                          | 119 | 0   | 0   | 3    | 571 | 0    | 150                |
| 463  | SUNY C. Oswego                      | 838                          | 0   | 0   | 545 | 0    | 126 | 0    | 167                |
| 464  | Bates C.                            | 831                          | 0   | 0   | 580 | 0    | 183 | 0    | 68                 |
| 465  | Pittsburg State U.                  | 830                          | 713 | 0   | 62  | 12   | 0   | 0    | 43                 |
| 466  | GA Southern U.                      | 829                          | 0   | 5   | 273 | 38   | 341 | 73   | 99                 |
| 467  | Western States Chiropractic C.      | 825                          | 0   | 0   | 825 | 0    | 0   | 0    | 0                  |
| 468  | Swarthmore C.                       | 812                          | 0   | 142 | 148 | 64   | 297 | 0    | 161                |
| 469  | Occidental C.                       | 802                          | 0   | 54  | 0   | 0    | 642 | 0    | 106                |
| 470  | Davidson C.                         | 799                          | 0   | 376 | 213 | 0    | 210 | 0    | 0                  |
| 471  | Western U. of Health Sciences       | 786                          | 0   | 0   | 653 | 0    | 15  | 114  | 4                  |
| 472  | St. Mary's U. (San Antonio, TX)     | 785                          | 772 | 13  | 0   | 0    | 0   | 0    | 0                  |
| 473  | Roger Williams U. Bristol           | 783                          | 0   | 0   | 351 | 0    | 290 | 66   | 76                 |
| 474  | Lincoln U. (Lincoln University, PA) | 774                          | 439 | 77  | 224 | 11   | 23  | 0    | 0                  |
| 475  | U. PR Cayey                         | 766                          | 0   | 0   | 573 | 6    | 113 | 0    | 74                 |
| 476  | Augustana C. (Sioux Falls, SD)      | 763                          | 0   | 0   | 498 | 77   | 91  | 97   | 0                  |
| 477  | Colby C.                            | 731                          | 0   | 2   | 362 | 0    | 349 | 0    | 18                 |
| 478  | Barry U.                            | 697                          | 0   | 0   | 697 | 0    | 0   | 0    | 0                  |
| 479  | C. of the Holy Cross                | 691                          | 0   | 0   | 294 | 0    | 385 | 0    | 12                 |
| 480  | Haskell Indian Nations U.           | 687                          | 0   | 0   | 0   | 0    | 499 | 150  | 38                 |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                             | All federal R&D expenditures | DOD | DOE | HHS | NASA | NSF | USDA | Other <sup>a</sup> |
|------|---|------------------------------|-----|-----|-----|------|-----|------|--------------------|
| 481  | Augsburg C.                             | 680                          | 0   | 0   | 64  | 45   | 571 | 0    | 0                  |
| 482  | U. Baltimore                            | 674                          | 0   | 0   | 0   | 0    | 0   | 0    | 674                |
| 483  | Reed C.                                 | 663                          | 0   | 12  | 398 | 0    | 253 | 0    | 0                  |
| 484  | U. WI Eau Claire                        | 662                          | 0   | 0   | 145 | 6    | 443 | 53   | 15                 |
| 485  | CT C.                                   | 651                          | 172 | 0   | 211 | 17   | 250 | 0    | 1                  |
| 486  | U. WI Green Bay                         | 646                          | 0   | 0   | 0   | 541  | 0   | 20   | 85                 |
| 487  | Valparaiso U.                           | 642                          | 0   | 201 | 0   | 102  | 320 | 19   | 0                  |
| 488  | Christopher Newport U.                  | 630                          | 0   | 107 | 0   | 414  | 109 | 0    | 0                  |
| 489  | Grambling State U.                      | 628                          | 0   | 5   | 0   | 141  | 118 | 2    | 362                |
| 490  | Grand Valley State U.                   | 610                          | 0   | 0   | 0   | 33   | 193 | 0    | 384                |
| 491  | Hendrix C.                              | 605                          | 0   | 0   | 281 | 119  | 205 | 0    | 0                  |
| 492  | U.S. Coast Guard Academy                | 604                          | 30  | 10  | 0   | 0    | 0   | 0    | 564                |
| 493  | CO C.                                   | 602                          | 0   | 0   | 0   | 0    | 599 | 3    | 0                  |
| 494  | Pace U. all campuses                    | 602                          | 0   | 9   | 330 | 0    | 65  | 0    | 198                |
| 495  | Eastern WA U.                           | 596                          | 39  | 25  | 0   | 0    | 125 | 0    | 407                |
| 496  | C. NJ, The                              | 594                          | 0   | 298 | 0   | 0    | 285 | 0    | 11                 |
| 497  | Millsaps C.                             | 589                          | 3   | 0   | 548 | 0    | 15  | 0    | 23                 |
| 498  | Murray State U.                         | 588                          | 0   | 0   | 89  | 23   | 241 | 33   | 202                |
| 499  | Oberlin C.                              | 585                          | 0   | 0   | 0   | 16   | 527 | 0    | 42                 |
| 500  | Albany C. of Pharmacy                   | 582                          | 121 | 0   | 461 | 0    | 0   | 0    | 0                  |
| 501  | Evergreen State C.                      | 579                          | 0   | 0   | 51  | 0    | 506 | 0    | 22                 |
| 502  | Seattle U.                              | 567                          | 0   | 0   | 84  | 2    | 481 | 0    | 0                  |
| 503  | Siena C.                                | 567                          | 0   | 0   | 0   | 227  | 304 | 7    | 29                 |
| 504  | Philadelphia C. of Osteopathic Medicine | 563                          | 0   | 0   | 563 | 0    | 0   | 0    | 0                  |
| 505  | Kenyon C.                               | 558                          | 0   | 0   | 153 | 0    | 322 | 50   | 33                 |
| 506  | Gonzaga U.                              | 550                          | 166 | 0   | 20  | 25   | 309 | 23   | 7                  |
| 507  | Lewis & Clark C.                        | 550                          | 35  | 0   | 176 | 0    | 339 | 0    | 0                  |
| 508  | Midwestern U. (Chicago, IL)             | 543                          | 0   | 0   | 495 | 0    | 48  | 0    | 0                  |
| 509  | Northwestern State U.                   | 535                          | 0   | 0   | 0   | 0    | 0   | 1    | 534                |
| 510  | Universidad del Turabo                  | 532                          | 0   | 168 | 0   | 0    | 139 | 34   | 191                |
| 511  | Macalester C.                           | 528                          | 0   | 0   | 51  | 13   | 384 | 0    | 80                 |
| 512  | Providence C.                           | 525                          | 0   | 0   | 0   | 0    | 356 | 0    | 169                |
| 513  | Western IL U.                           | 517                          | 0   | 71  | 161 | 0    | 60  | 71   | 154                |
| 514  | Southern OR U.                          | 506                          | 0   | 0   | 0   | 14   | 166 | 326  | 0                  |
| 515  | Universidad Metropolitana               | 505                          | 0   | 0   | 0   | 0    | 426 | 24   | 55                 |
| 516  | Hofstra U.                              | 498                          | 0   | 0   | 0   | 145  | 349 | 0    | 4                  |
| 517  | Northeastern IL U.                      | 485                          | 0   | 0   | 91  | 0    | 394 | 0    | 0                  |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                             | All federal R&D expenditures | DOD | DOE | HHS | NASA | NSF | USDA | Other <sup>a</sup> |
|------|---|------------------------------|-----|-----|-----|------|-----|------|--------------------|
| 518  | MN State U. Mankato                     | 481                          | 0   | 0   | 183 | 2    | 106 | 0    | 190                |
| 519  | Sonoma State U.                         | 472                          | 0   | 0   | 0   | 0    | 233 | 63   | 176                |
| 520  | U. of St. Thomas (St. Paul, MN)         | 472                          | 0   | 0   | 74  | 27   | 304 | 10   | 57                 |
| 521  | Middle TN State U.                      | 468                          | 58  | 55  | 80  | 8    | 100 | 23   | 144                |
| 522  | Rose-Hulman Institute of Technology     | 463                          | 374 | 0   | 12  | 0    | 77  | 0    | 0                  |
| 523  | Bridgewater State C.                    | 459                          | 0   | 0   | 0   | 0    | 12  | 0    | 447                |
| 524  | Eastern KY U.                           | 440                          | 10  | 7   | 166 | 0    | 1   | 12   | 244                |
| 525  | Philadelphia U.                         | 440                          | 332 | 0   | 0   | 43   | 2   | 0    | 63                 |
| 526  | Southern Polytechnic State U.           | 439                          | 0   | 0   | 0   | 25   | 307 | 0    | 107                |
| 527  | Eckerd C.                               | 437                          | 0   | 0   | 0   | 33   | 131 | 0    | 273                |
| 528  | TX A&M U. Commerce                      | 421                          | 0   | 95  | 0   | 40   | 269 | 0    | 17                 |
| 529  | Salish Kootenai C.                      | 419                          | 78  | 0   | 196 | 18   | 39  | 88   | 0                  |
| 530  | Universidad del Este                    | 416                          | 0   | 0   | 0   | 0    | 0   | 0    | 416                |
| 531  | Rhodes C.                               | 411                          | 94  | 0   | 79  | 0    | 130 | 0    | 108                |
| 532  | NY Institute of Technology all campuses | 410                          | 0   | 405 | 0   | 0    | 5   | 0    | 0                  |
| 533  | CUNY Baruch C.                          | 409                          | 0   | 0   | 191 | 0    | 218 | 0    | 0                  |
| 534  | Indiana U. PA all campuses              | 407                          | 0   | 0   | 51  | 0    | 41  | 226  | 89                 |
| 535  | Muhlenberg C.                           | 403                          | 0   | 0   | 0   | 0    | 326 | 0    | 77                 |
| 536  | SUNY C. Plattsburgh                     | 401                          | 0   | 0   | 84  | 210  | 18  | 0    | 89                 |
| 537  | Truman State U.                         | 399                          | 0   | 0   | 0   | 0    | 383 | 16   | 0                  |
| 538  | Eastern OR U.                           | 396                          | 0   | 0   | 14  | 0    | 77  | 0    | 305                |
| 539  | Kennesaw State U.                       | 383                          | 0   | 0   | 0   | 13   | 94  | 0    | 276                |
| 540  | John Carroll U.                         | 374                          | 0   | 0   | 0   | 0    | 374 | 0    | 0                  |
| 541  | Northern MI U.                          | 368                          | 0   | 0   | 30  | 0    | 163 | 8    | 167                |
| 542  | Dickinson C.                            | 365                          | 0   | 0   | 120 | 0    | 241 | 0    | 4                  |
| 543  | Rider U.                                | 365                          | 0   | 0   | 112 | 0    | 231 | 0    | 22                 |
| 544  | Ursinus C.                              | 362                          | 0   | 0   | 144 | 0    | 205 | 0    | 13                 |
| 545  | Andrews U.                              | 360                          | 0   | 0   | 0   | 0    | 223 | 38   | 99                 |
| 546  | Bradley U.                              | 359                          | 0   | 120 | 0   | 0    | 207 | 5    | 27                 |
| 547  | Adelphi U.                              | 349                          | 0   | 0   | 0   | 0    | 279 | 0    | 70                 |
| 548  | Hampshire C.                            | 349                          | 0   | 188 | 0   | 7    | 146 | 0    | 8                  |
| 549  | Trinity C. (Hartford, CT)               | 346                          | 0   | 0   | 182 | 15   | 149 | 0    | 0                  |
| 550  | U. San Diego                            | 346                          | 4   | 25  | 64  | 61   | 88  | 0    | 104                |
| 551  | Grinnell C.                             | 343                          | 0   | 0   | 0   | 0    | 343 | 0    | 0                  |
| 552  | Central CT State U.                     | 341                          | 0   | 0   | 50  | 0    | 250 | 0    | 41                 |
| 553  | Loyola U. New Orleans                   | 337                          | 0   | 0   | 0   | 0    | 122 | 0    | 215                |
| 554  | U. San Francisco                        | 335                          | 0   | 0   | 151 | 0    | 178 | 0    | 6                  |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                                 | All federal R&D expenditures | DOD | DOE | HHS | NASA | NSF | USDA | Other <sup>a</sup> |
|------|---|------------------------------|-----|-----|-----|------|-----|------|--------------------|
| 555  | Mercy C.                                    | 330                          | 0   | 0   | 330 | 0    | 0   | 0    | 0                  |
| 556  | Northeastern State U.                       | 329                          | 147 | 0   | 0   | 0    | 1   | 0    | 181                |
| 557  | Eastern IL U.                               | 322                          | 0   | 0   | 100 | 0    | 66  | 67   | 89                 |
| 558  | Drake U.                                    | 320                          | 0   | 0   | 0   | 68   | 219 | 1    | 32                 |
| 559  | Gettysburg C.                               | 319                          | 0   | 0   | 0   | 4    | 312 | 0    | 3                  |
| 560  | U. Portland                                 | 318                          | 0   | 0   | 43  | 0    | 187 | 0    | 88                 |
| 561  | Luther C.                                   | 313                          | 0   | 0   | 78  | 0    | 233 | 0    | 2                  |
| 562  | Mt. St. Mary's C. (Los Angeles, CA)         | 307                          | 0   | 0   | 307 | 0    | 0   | 0    | 0                  |
| 563  | SUNY C. Brockport                           | 307                          | 0   | 0   | 48  | 32   | 27  | 0    | 200                |
| 564  | Concordia C. (Moorhead, MN)                 | 305                          | 0   | 0   | 0   | 15   | 271 | 0    | 19                 |
| 565  | Mesa State C.                               | 293                          | 0   | 0   | 0   | 13   | 207 | 15   | 58                 |
| 566  | Goucher C.                                  | 292                          | 0   | 0   | 0   | 0    | 248 | 0    | 44                 |
| 567  | International American U. PR central office | 292                          | 60  | 0   | 0   | 0    | 232 | 0    | 0                  |
| 568  | U. WI Whitewater                            | 290                          | 30  | 0   | 0   | 66   | 160 | 0    | 34                 |
| 569  | Southeastern OK State U.                    | 282                          | 0   | 0   | 274 | 0    | 0   | 8    | 0                  |
| 570  | Skidmore C.                                 | 270                          | 0   | 0   | 0   | 0    | 42  | 0    | 228                |
| 571  | Pacific U.                                  | 268                          | 0   | 0   | 0   | 85   | 0   | 3    | 180                |
| 572  | West Liberty State C.                       | 268                          | 0   | 0   | 260 | 8    | 0   | 0    | 0                  |
| 573  | Wiley C.                                    | 264                          | 196 | 68  | 0   | 0    | 0   | 0    | 0                  |
| 574  | Western CT State U.                         | 262                          | 0   | 0   | 0   | 0    | 259 | 0    | 3                  |
| 575  | Vanguard U. Southern CA                     | 261                          | 0   | 0   | 162 | 0    | 0   | 0    | 99                 |
| 576  | U. Puget Sound                              | 258                          | 0   | 6   | 0   | 0    | 252 | 0    | 0                  |
| 577  | Allegheny C.                                | 250                          | 0   | 0   | 47  | 0    | 162 | 27   | 14                 |
| 578  | CO State U. Pueblo                          | 249                          | 0   | 0   | 158 | 0    | 91  | 0    | 0                  |
| 579  | National U. of Health Sciences              | 245                          | 0   | 0   | 245 | 0    | 0   | 0    | 0                  |
| 580  | Coe C.                                      | 244                          | 0   | 0   | 0   | 0    | 244 | 0    | 0                  |
| 581  | MA C. of Pharmacy and Health Sciences       | 241                          | 0   | 0   | 215 | 26   | 0   | 0    | 0                  |
| 582  | U. NC Pembroke                              | 239                          | 0   | 0   | 129 | 0    | 27  | 0    | 83                 |
| 583  | Fairfield U.                                | 237                          | 0   | 30  | 137 | 11   | 16  | 0    | 43                 |
| 584  | Wabash C.                                   | 235                          | 0   | 0   | 31  | 0    | 148 | 56   | 0                  |
| 585  | Lawrence U.                                 | 234                          | 0   | 0   | 111 | 20   | 55  | 0    | 48                 |
| 586  | DePauw U.                                   | 230                          | 0   | 0   | 70  | 0    | 160 | 0    | 0                  |
| 587  | U. TX of the Permian Basin                  | 229                          | 0   | 0   | 52  | 0    | 51  | 0    | 126                |
| 588  | Mayville State U.                           | 224                          | 0   | 0   | 224 | 0    | 0   | 0    | 0                  |
| 589  | Chapman U.                                  | 219                          | 0   | 0   | 17  | 0    | 101 | 76   | 25                 |
| 590  | Juniata C.                                  | 219                          | 0   | 0   | 48  | 0    | 153 | 0    | 18                 |
| 591  | Abilene Christian U.                        | 217                          | 0   | 217 | 0   | 0    | 0   | 0    | 0                  |



TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                   | All federal R&D expenditures | DOD | DOE | HHS | NASA | NSF | USDA | Other <sup>a</sup> |
|------|-------------------------------|------------------------------|-----|-----|-----|------|-----|------|--------------------|
| 592  | Oglala Lakota C.              | 204                          | 63  | 0   | 133 | 0    | 0   | 8    | 0                  |
| 593  | Manhattan C.                  | 198                          | 0   | 0   | 174 | 0    | 10  | 0    | 14                 |
| 594  | Washington and Lee U.         | 197                          | 0   | 0   | 0   | 0    | 160 | 0    | 37                 |
| 595  | McNeese State U.              | 195                          | 0   | 0   | 0   | 0    | 111 | 0    | 84                 |
| 596  | Sarah Lawrence C.             | 191                          | 0   | 0   | 0   | 0    | 191 | 0    | 0                  |
| 597  | Southern U. New Orleans       | 191                          | 0   | 0   | 0   | 0    | 191 | 0    | 0                  |
| 598  | LeTourneau U.                 | 189                          | 8   | 0   | 53  | 0    | 122 | 0    | 6                  |
| 599  | Daemen C.                     | 187                          | 187 | 0   | 0   | 0    | 0   | 0    | 0                  |
| 600  | U. WI Stout                   | 187                          | 0   | 0   | 43  | 0    | 141 | 0    | 3                  |
| 601  | Birmingham Southern C.        | 180                          | 0   | 0   | 0   | 53   | 98  | 0    | 29                 |
| 602  | U. Houston-Downtown           | 179                          | 2   | 0   | 0   | 0    | 133 | 44   | 0                  |
| 603  | Simmons C.                    | 177                          | 0   | 0   | 111 | 0    | 54  | 12   | 0                  |
| 604  | AK Pacific U.                 | 176                          | 0   | 0   | 26  | 4    | 69  | 0    | 77                 |
| 605  | Pacific Lutheran U.           | 176                          | 0   | 0   | 94  | 0    | 82  | 0    | 0                  |
| 606  | Point Loma Nazarene C.        | 169                          | 0   | 0   | 21  | 0    | 148 | 0    | 0                  |
| 607  | TX A&M International U.       | 168                          | 0   | 0   | 97  | 60   | 11  | 0    | 0                  |
| 608  | Wilkes U.                     | 166                          | 0   | 0   | 82  | 0    | 60  | 9    | 15                 |
| 609  | Willamette U.                 | 164                          | 0   | 0   | 0   | 0    | 164 | 0    | 0                  |
| 610  | CUNY Medgar Evers C.          | 157                          | 0   | 0   | 84  | 73   | 0   | 0    | 0                  |
| 611  | C. Wooster                    | 150                          | 0   | 0   | 0   | 0    | 142 | 0    | 8                  |
| 612  | U. Scranton                   | 145                          | 142 | 0   | 0   | 0    | 0   | 3    | 0                  |
| 613  | CA State U. Bakersfield       | 139                          | 0   | 0   | 0   | 0    | 139 | 0    | 0                  |
| 614  | William Paterson U. NJ        | 139                          | 0   | 0   | 47  | 0    | 36  | 0    | 56                 |
| 615  | SUNY C. Oneonta               | 137                          | 0   | 20  | 0   | 0    | 114 | 0    | 3                  |
| 616  | Pepperdine U.                 | 135                          | 0   | 0   | 0   | 0    | 135 | 0    | 0                  |
| 617  | Radford U.                    | 134                          | 0   | 0   | 76  | 0    | 56  | 0    | 2                  |
| 618  | OH Wesleyan U.                | 121                          | 0   | 0   | 46  | 0    | 75  | 0    | 0                  |
| 619  | Kalamazoo C.                  | 120                          | 0   | 0   | 35  | 0    | 85  | 0    | 0                  |
| 620  | VA Military Institute         | 119                          | 0   | 30  | 0   | 15   | 0   | 74   | 0                  |
| 621  | Winona State U.               | 116                          | 0   | 0   | 14  | 0    | 0   | 0    | 102                |
| 622  | Cheyney U. PA                 | 111                          | 0   | 0   | 0   | 0    | 0   | 111  | 0                  |
| 623  | Lake Forest C.                | 107                          | 0   | 0   | 106 | 0    | 1   | 0    | 0                  |
| 624  | U. CA Office of the President | 101                          | 0   | 0   | 5   | 0    | 0   | 47   | 49                 |
| 625  | Canisius C.                   | 99                           | 0   | 0   | 0   | 0    | 90  | 9    | 0                  |
| 626  | U. Houston-Clear Lake         | 98                           | 0   | 0   | 17  | 0    | 27  | 25   | 29                 |
| 627  | Gustavus Adolphus C.          | 95                           | 0   | 0   | 0   | 0    | 80  | 10   | 5                  |
| 628  | Saginaw Valley State U.       | 91                           | 0   | 3   | 0   | 8    | 64  | 0    | 16                 |

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:  
FY 2008

(Dollars in thousands)

| Rank | Institution                                | All federal R&D expenditures | DOD | DOE | HHS | NASA | NSF | USDA | Other <sup>a</sup> |
|------|--|------------------------------|-----|-----|-----|------|-----|------|--------------------|
| 629  | St. Mary's C. MD                           | 86                           | 10  | 0   | 0   | 0    | 18  | 0    | 58                 |
| 630  | U. WI Parkside                             | 85                           | 0   | 27  | 13  | 2    | 43  | 0    | 0                  |
| 631  | SUNY New Paltz                             | 83                           | 20  | 0   | 0   | 0    | 63  | 0    | 0                  |
| 632  | Polytechnic U. PR                          | 80                           | 80  | 0   | 0   | 0    | 0   | 0    | 0                  |
| 633  | Des Moines U.                              | 75                           | 0   | 0   | 75  | 0    | 0   | 0    | 0                  |
| 634  | U. WI River Falls                          | 71                           | 0   | 0   | 0   | 0    | 61  | 10   | 0                  |
| 635  | Mercyhurst C.                              | 68                           | 0   | 0   | 0   | 0    | 0   | 0    | 68                 |
| 636  | U. WI Platteville                          | 53                           | 0   | 0   | 0   | 0    | 0   | 4    | 49                 |
| 637  | Kansas City U. of Medicine and Biosciences | 49                           | 0   | 0   | 7   | 0    | 36  | 0    | 6                  |
| 638  | Nicholls State U.                          | 43                           | 0   | 16  | 0   | 0    | 0   | 17   | 10                 |
| 639  | SUNY C. Cortland                           | 43                           | 0   | 0   | 41  | 0    | 1   | 1    | 0                  |
| 640  | CUNY New York City C. of Technology        | 39                           | 0   | 0   | 0   | 0    | 39  | 0    | 0                  |
| 641  | Angelo State U.                            | 30                           | 0   | 0   | 0   | 0    | 23  | 4    | 3                  |
| 642  | Fuller Theological Seminary CA             | 23                           | 0   | 0   | 23  | 0    | 0   | 0    | 0                  |
| 643  | Pitzer C.                                  | 15                           | 0   | 0   | 0   | 0    | 15  | 0    | 0                  |
| 644  | Widener U. PA Campus                       | 12                           | 0   | 0   | 0   | 0    | 12  | 0    | 0                  |
| 645  | Jacksonville U.                            | 10                           | 0   | 0   | 0   | 0    | 0   | 0    | 10                 |
| 646  | Carlos Albizu U. (San Juan, PR)            | 8                            | 0   | 0   | 8   | 0    | 0   | 0    | 0                  |
| 647  | A.T. Still U. of Health Sciences           | 7                            | 0   | 0   | 7   | 0    | 0   | 0    | 0                  |
| 648  | SUNY Fredonia                              | 5                            | 0   | 0   | 0   | 0    | 0   | 0    | 5                  |
| 649  | WV School of Osteopathic Medicine          | 3                            | 0   | 0   | 2   | 0    | 1   | 0    | 0                  |
|      | Benedictine U.                             | 0                            | 0   | 0   | 0   | 0    | 0   | 0    | 0                  |
|      | Cooper Union                               | 0                            | 0   | 0   | 0   | 0    | 0   | 0    | 0                  |
|      | Marist C.                                  | 0                            | 0   | 0   | 0   | 0    | 0   | 0    | 0                  |
|      | Roanoke C.                                 | 0                            | 0   | 0   | 0   | 0    | 0   | 0    | 0                  |
|      | St. John's U. (Collegeville, MN)           | 0                            | 0   | 0   | 0   | 0    | 0   | 0    | 0                  |

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

<sup>a</sup> Includes all other agencies reported.

<sup>b</sup> Agency detail data represent the federally financed expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$788,800 in total federally financed R&D expenditures, APL did not report federal agency details.

NOTES: Federal R&D expenditures total for all institutions is only those respondents who reported federal agency detail of zero or more and does not match total federal expenditures for all survey respondents in other tables. Agency detail may not add to total federal expenditures because some institutions were unable to provide complete agency data. Data are not adjusted for nonresponse. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2008.