

TABLE 37

**Higher education R&D expenditures at private institutions, ranked by all R&D expenditures, by source of funds: FY 2020**

(Dollars in thousands)

| Institution   | Rank | All R&D expenditures | Source of funds    |                            |                   |           |                         |                   |
|---|------|----------------------|--------------------|----------------------------|-------------------|-----------|-------------------------|-------------------|
|   |      |                      | Federal government | State and local government | Institution funds | Business  | Nonprofit organizations | All other sources |
| All institutions                                    | -    | 29,632,422           | 17,651,552         | 392,139                    | 6,336,865         | 2,008,984 | 2,464,120               | 778,762           |
| Johns Hopkins U. <sup>a</sup>                       | 1    | 3,110,494            | 2,682,410          | 5,707                      | 157,227           | 105,906   | 155,728                 | 3,516             |
| U. Pennsylvania                                     | 2    | 1,579,364            | 721,308            | 19,955                     | 544,997           | 176,969   | 112,832                 | 3,303             |
| Harvard U.  | 3    | 1,239,983            | 605,603            | 2,351                      | 391,127           | 49,561    | 171,566                 | 19,775            |
| Stanford U.   | 4    | 1,203,950            | 751,414            | 26,257                     | 132,235           | 114,967   | 168,843                 | 10,234            |
| Duke U.   | 5    | 1,196,638            | 707,746            | 938                        | 151,876           | 205,719   | 104,685                 | 25,674            |
| Cornell U.  | 6    | 1,190,063            | 562,021            | 92,178                     | 232,628           | 56,706    | 119,570                 | 126,960           |
| Yale U.   | 7    | 1,094,135            | 585,170            | 5,102                      | 339,695           | 72,714    | 86,548                  | 4,906             |
| Columbia U. in the City of New York                 | 8    | 1,032,909            | 762,289            | 7,250                      | 78,278            | 77,105    | 105,442                 | 2,545             |
| Massachusetts Institute of Technology               | 9    | 987,968              | 488,741            | 2,104                      | 119,003           | 200,722   | 99,438                  | 77,960            |
| New York U.   | 10   | 947,293              | 448,850            | 22,203                     | 222,650           | 51,010    | 85,710                  | 116,870           |
| U. Southern California                              | 11   | 941,198              | 562,120            | 13,691                     | 197,247           | 43,425    | 50,026                  | 74,689            |
| Washington U., Saint Louis                          | 12   | 920,215              | 559,882            | 890                        | 172,213           | 93,981    | 91,685                  | 1,564             |
| Northwestern U.                                     | 13   | 874,671              | 531,654            | 12                         | 233,695           | 52,440    | 48,087                  | 8,783             |
| Vanderbilt U. and Vanderbilt U. Medical Center      | 14   | 824,803              | 514,299            | 2,527                      | 197,502           | 70,229    | 36,434                  | 3,812             |
| Emory U.  | 15   | 808,792              | 452,636            | 1,031                      | 230,877           | 54,236    | 67,600                  | 2,412             |
| Icahn School of Medicine at Mount Sinai             | 16   | 747,014              | 480,452            | 8,270                      | 135,617           | 61,137    | 53,691                  | 7,847             |
| Baylor C. of Medicine                               | 17   | 685,641              | 315,101            | 30,591                     | 222,123           | 24,991    | 92,835                  | 0                 |
| Boston U.   | 18   | 583,267              | 339,172            | 517                        | 157,935           | 22,430    | 40,325                  | 22,888            |
| U. Chicago  | 19   | 458,891              | 352,447            | 224                        | 32,978            | 36,343    | 34,865                  | 2,034             |
| California Institute of Technology                  | 20   | 449,651              | 316,519            | 1,394                      | 48,754            | 18,366    | 36,500                  | 28,118            |
| Scripps Research Institute                          | 21   | 444,964              | 243,502            | 4,503                      | 135,483           | 22,386    | 39,090                  | 0                 |
| Case Western Reserve U.                             | 22   | 439,778              | 357,589            | 805                        | 48,786            | 5,185     | 23,274                  | 4,139             |
| U. Rochester  | 23   | 397,211              | 296,241            | 2,110                      | 46,412            | 30,271    | 16,366                  | 5,811             |
| Princeton U.  | 24   | 396,502              | 203,259            | 300                        | 78,989            | 19,932    | 55,398                  | 38,624            |
| Carnegie Mellon U.                                  | 25   | 386,996              | 217,625            | 2,735                      | 115,615           | 36,121    | 9,210                   | 5,690             |
| U. Miami  | 26   | 381,410              | 224,184            | 10,841                     | 75,755            | 34,249    | 35,005                  | 1,376             |
| Rockefeller U.                                      | 27   | 356,217              | 86,280             | 533                        | 230,148           | 5,110     | 33,853                  | 293               |
| Dartmouth C. and Dartmouth Hitchcock Medical Center | 28   | 326,349              | 142,219            | 1,250                      | 150,097           | 4,359     | 21,710                  | 6,714             |
| Albert Einstein C. of Medicine                      | 29   | 288,654              | 204,635            | 3,150                      | 65,723            | 4,286     | 10,860                  | 0                 |
| George Washington U.                                | 30   | 270,369              | 157,533            | 1,740                      | 66,453            | 4,596     | 28,958                  | 11,089            |
| Brown U.  | 31   | 266,127              | 185,676            | 31                         | 56,188            | 3,634     | 14,737                  | 5,861             |
| Medical C. Wisconsin                                | 32   | 264,325              | 128,783            | 440                        | 81,608            | 24,973    | 22,878                  | 5,643             |
| Georgetown U.                                       | 33   | 258,659              | 98,682             | 1,613                      | 66,181            | 18,307    | 48,919                  | 24,957            |
| Wake Forest U.                                      | 34   | 244,643              | 166,596            | 17,361                     | 24,365            | 13,228    | 15,449                  | 7,644             |
| Woods Hole Oceanographic Institution                | 35   | 227,573              | 191,186            | 1,653                      | 16,741            | 2,223     | 6,872                   | 8,898             |
| U. Notre Dame                                       | 36   | 227,535              | 104,030            | 530                        | 80,244            | 6,212     | 18,563                  | 17,956            |
| Tufts U.  | 37   | 216,241              | 148,320            | 1,634                      | 23,231            | 10,162    | 28,558                  | 4,336             |
| Tulane U.   | 38   | 204,430              | 107,290            | 5,103                      | 51,577            | 5,589     | 20,228                  | 14,643            |
| Northeastern U.                                     | 39   | 200,068              | 136,273            | 3,767                      | 41,810            | 9,060     | 8,568                   | 590               |
| Rice U.   | 40   | 198,681              | 88,768             | 7,104                      | 59,140            | 8,851     | 30,199                  | 4,619             |
| Thomas Jefferson U.                                 | 41   | 171,377              | 74,676             | 3,330                      | 53,798            | 20,915    | 9,537                   | 9,121             |
| U. Dayton   | 42   | 163,718              | 154,101            | 1,358                      | 2,195             | 5,439     | 555                     | 70                |

TABLE 37

**Higher education R&D expenditures at private institutions, ranked by all R&D expenditures, by source of funds: FY 2020**

(Dollars in thousands)

| Institution                                  | Rank | All R&D expenditures | Source of funds    |                            |                   |          |                         |                   |
|--|------|----------------------|--------------------|----------------------------|-------------------|----------|-------------------------|-------------------|
|  |      |                      | Federal government | State and local government | Institution funds | Business | Nonprofit organizations | All other sources |
| Syracuse U.                                  | 43   | 149,652              | 31,861             | 4,812                      | 97,654            | 4,516    | 10,673                  | 136               |
| Drexel U.                                    | 44   | 143,123              | 82,576             | 4,650                      | 38,742            | 3,203    | 7,513                   | 6,439             |
| Cold Spring Harbor Laboratory                | 45   | 115,198              | 62,215             | 32                         | 32,295            | 1,222    | 19,434                  | 0                 |
| Rensselaer Polytechnic Institute             | 46   | 107,623              | 52,150             | 4,959                      | 28,841            | 15,594   | 6,079                   | 0                 |
| Rush U.                                      | 47   | 94,438               | 65,343             | 1,886                      | 8,712             | 12,732   | 5,765                   | 0                 |
| American U.                                  | 48   | 71,839               | 16,123             | 622                        | 43,461            | 513      | 10,486                  | 634               |
| Saint Louis U.                               | 49   | 69,528               | 34,419             | 1,202                      | 21,359            | 4,362    | 7,975                   | 211               |
| Brandeis U.                                  | 50   | 63,201               | 41,440             | 1,028                      | 10,612            | 294      | 8,699                   | 1,128             |
| Boston C.                                    | 51   | 63,063               | 31,038             | 1,801                      | 13,420            | 872      | 15,173                  | 759               |
| Van Andel Research Institute                 | 52   | 58,982               | 18,538             | 0                          | 28,709            | 409      | 2,566                   | 8,760             |
| Rochester Institute of Technology            | 53   | 57,777               | 28,092             | 9,210                      | 15,970            | 2,392    | 1,192                   | 921               |
| Mercer U.                                    | 54   | 49,116               | 31,572             | 62                         | 9,247             | 5,452    | 191                     | 2,592             |
| Howard U.                                    | 55   | 44,933               | 29,256             | 1,353                      | 10,860            | 2,721    | 743                     | 0                 |
| Stevens Institute of Technology              | 56   | 44,747               | 33,461             | 1,499                      | 7,443             | 1,356    | 909                     | 79                |
| Worcester Polytechnic Institute              | 57   | 43,092               | 26,074             | 1,121                      | 9,165             | 4,003    | 1,484                   | 1,245             |
| Southern Methodist U.                        | 58   | 43,081               | 17,752             | 877                        | 20,640            | 2,250    | 1,562                   | 0                 |
| U. Denver                                    | 59   | 41,349               | 24,753             | 964                        | 7,145             | 1,521    | 6,270                   | 696               |
| Baylor U.                                    | 60   | 39,765               | 8,851              | 1,153                      | 21,821            | 1,395    | 4,866                   | 1,679             |
| Loyola U., Chicago                           | 61   | 39,365               | 24,018             | 164                        | 7,961             | 3,384    | 2,860                   | 978               |
| Brigham Young U., Provo                      | 62   | 38,569               | 24,632             | 1,128                      | 6,386             | 3,273    | 2,718                   | 432               |
| Lehigh U.                                    | 63   | 38,064               | 26,816             | 1,888                      | 8,181             | 758      | 378                     | 43                |
| Marquette U.                                 | 64   | 37,136               | 13,187             | 539                        | 15,058            | 1,027    | 2,162                   | 5,163             |
| Morehouse School of Medicine                 | 65   | 29,813               | 22,500             | 273                        | 5,504             | 0        | 1,536                   | 0                 |
| Illinois Institute of Technology             | 66   | 29,122               | 24,244             | 36                         | 1,739             | 1,562    | 948                     | 593               |
| Chapman U.                                   | 67   | 26,660               | 7,850              | 1,168                      | 11,717            | 616      | 5,301                   | 8                 |
| Nova Southeastern U.                         | 68   | 26,035               | 10,452             | 2,652                      | 10,764            | 1,309    | 610                     | 248               |
| Villanova U.                                 | 69   | 25,505               | 4,921              | 1,386                      | 17,542            | 350      | 1,056                   | 250               |
| Catholic U. of America                       | 70   | 25,221               | 22,503             | 118                        | 1,429             | 411      | 760                     | 0                 |
| Loma Linda U.                                | 71   | 25,077               | 17,457             | 754                        | 3,382             | 1,857    | 1,526                   | 101               |
| Albany Medical C.                            | 72   | 23,510               | 12,940             | 0                          | 4,069             | 3,954    | 1,003                   | 1,544             |
| Teachers C., Columbia U.                     | 73   | 22,630               | 7,614              | 265                        | NA                | 1,038    | 10,766                  | 2,947             |
| Tuskegee U.                                  | 74   | 20,973               | 15,122             | 2,624                      | 2,706             | 0        | 0                       | 521               |
| Fordham U.                                   | 75   | 20,456               | 3,831              | 333                        | 14,154            | 58       | 1,118                   | 962               |
| Creighton U.                                 | 76   | 20,339               | 7,583              | 2,929                      | 6,845             | 1,207    | 817                     | 958               |
| New York Medical C.                          | 77   | 20,137               | 12,106             | 1,319                      | 243               | 4,039    | 1,812                   | 618               |
| U. Tulsa                                     | 78   | 18,787               | 4,697              | 720                        | 3,104             | 9,732    | 427                     | 107               |
| Florida Institute of Technology              | 79   | 18,271               | 10,999             | 2,028                      | 3,191             | 922      | 390                     | 741               |
| Embry-Riddle Aeronautical U.                 | 80   | 17,786               | 11,542             | 29                         | 1,183             | 3,151    | 460                     | 1,421             |
| Duquesne U.                                  | 81   | 17,485               | 4,981              | 798                        | 9,566             | 267      | 1,873                   | 0                 |
| Texas Christian U.                           | 82   | 15,326               | 3,168              | 386                        | 10,010            | 1,493    | 166                     | 103               |
| Clarkson U.                                  | 83   | 15,104               | 7,095              | 1,394                      | 4,425             | 1,483    | 490                     | 217               |
| Rosalind Franklin U. of Medicine and Science | 84   | 14,601               | 8,504              | 56                         | 4,474             | 958      | 609                     | 0                 |
| Long Island U.                               | 85   | 13,997               | 1,349              | 0                          | 12,135            | 234      | 238                     | 41                |
| Meharry Medical C.                           | 86   | 13,870               | 12,573             | 0                          | 315               | 3        | 979                     | 0                 |
| Charles R. Drew U. of Medicine and Science   | 87   | 13,682               | 9,863              | 311                        | 3,202             | 0        | 306                     | 0                 |
| Ponce Health Sciences U.                     | 88   | 13,566               | 11,228             | 220                        | NA                | 0        | 0                       | 2,118             |

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|---|------|----------------------|--------------------|----------------------------|-------------------|----------|-------------------------|-------------------|
|   |      |                      | Federal government | State and local government | Institution funds | Business | Nonprofit organizations | All other sources |
| New School                                      | 89   | 13,186               | 1,050              | 142                        | 3,503             | 144      | 7,022                   | 1,325             |
| Bryn Mawr C.                                    | 90   | 11,575               | 1,531              | 0                          | 9,742             | 27       | 275                     | 0                 |
| Hampton U.                                      | 91   | 11,402               | 11,278             | 0                          | 124               | 0        | 0                       | 0                 |
| Xavier U. Louisiana                             | 92   | 11,387               | 9,680              | 775                        | 879               | 0        | 53                      | 0                 |
| Midwestern U.                                   | 93   | 10,479               | 936                | 50                         | 8,776             | 481      | 236                     | 0                 |
| Clark U.  | 94   | 10,277               | 3,350              | 93                         | 5,338             | 12       | 1,456                   | 28                |
| St. Edward's U.                                 | 95   | 9,619                | 7,700              | 900                        | 925               | 14       | 30                      | 50                |
| Claremont Graduate U.                           | 96   | 9,403                | 809                | 408                        | 3,440             | 657      | 4,046                   | 43                |
| U. San Diego                                    | 97   | 8,607                | 2,398              | 169                        | 5,418             | 0        | 436                     | 186               |
| Clark Atlanta U.                                | 98   | 8,452                | 5,324              | 0                          | 3,016             | 47       | 65                      | 0                 |
| Wesleyan U.                                     | 99   | 8,300                | 4,305              | 31                         | 3,137             | 97       | 651                     | 79                |
| Wellesley C.                                    | 100  | 8,088                | 4,441              | 49                         | NA                | 158      | 2,497                   | 943               |
| Edward Via C. of Osteopathic Medicine           | 101  | 7,475                | 566                | 3                          | 6,443             | 150      | 313                     | 0                 |
| Loyola Marymount U.                             | 102  | 7,193                | 1,105              | 921                        | 4,593             | 3        | 571                     | 0                 |
| Azusa Pacific U.                                | 103  | 7,068                | 128                | 95                         | 6,704             | 2        | 139                     | 0                 |
| U. New England                                  | 104  | 6,886                | 5,064              | 1                          | 1,698             | 26       | 92                      | 5                 |
| DePaul U.                                       | 105  | 6,557                | 5,156              | 0                          | 925               | 0        | 450                     | 26                |
| Western U. of Health Sciences                   | 106  | 5,899                | 4,486              | 522                        | 29                | 635      | 165                     | 62                |
| Toyota Technological Institute, Chicago         | 107  | 5,887                | 3,038              | 0                          | 1,513             | 1,230    | 106                     | 0                 |
| Claremont McKenna C.                            | 108  | 5,846                | 771                | 52                         | 4,512             | 0        | 511                     | 0                 |
| Pacific U.                                      | 109  | 5,842                | 2,596              | 289                        | 1,961             | 447      | 549                     | 0                 |
| Grinnell C.                                     | 110  | 5,826                | 644                | 0                          | 4,328             | 0        | 309                     | 545               |
| Seton Hall U.                                   | 111  | 5,718                | 2,725              | 1,993                      | 88                | 210      | 702                     | 0                 |
| Bucknell U.                                     | 112  | 5,339                | 1,693              | 76                         | 3,023             | 202      | 335                     | 10                |
| Reed C.   | 113  | 5,155                | 1,806              | 33                         | 2,897             | 0        | 303                     | 116               |
| Des Moines U.                                   | 114  | 5,021                | 449                | 255                        | 4,068             | 3        | 246                     | 0                 |
| Williams C.                                     | 115  | 4,924                | 1,086              | 0                          | 1,663             | 0        | 137                     | 2,038             |
| Amherst C.                                      | 116  | 4,906                | 1,775              | 0                          | 2,230             | 0        | 10                      | 891               |
| U. of Health Sciences and Pharmacy in St. Louis | 117  | 4,835                | 3,767              | 0                          | 547               | 431      | 90                      | 0                 |
| Morehouse C.                                    | 118  | 4,825                | 4,825              | 0                          | 0                 | 0        | 0                       | 0                 |
| U. Detroit Mercy                                | 119  | 4,786                | 4,226              | 0                          | 524               | 13       | 23                      | 0                 |
| Smith C.  | 120  | 4,685                | 2,650              | 0                          | 1,401             | 68       | 566                     | 0                 |
| Gallaudet U.                                    | 121  | 4,599                | 1,841              | 0                          | 2,414             | 0        | 326                     | 18                |
| Haverford C.                                    | 122  | 4,473                | 2,680              | 0                          | 1,168             | 0        | 163                     | 462               |
| Roseman U. of Health Sciences                   | 123  | 4,380                | 56                 | 0                          | 4,099             | 216      | 9                       | 0                 |
| Pace U.   | 124  | 4,272                | 2,997              | 0                          | 1,103             | 7        | 147                     | 18                |
| U. Central del Caribe                           | 125  | 3,931                | 2,743              | 267                        | 846               | 0        | 0                       | 75                |
| Fisk U.   | 126  | 3,904                | 3,811              | 15                         | 0                 | 16       | 62                      | 0                 |
| U. New Haven                                    | 127  | 3,843                | 1,440              | 473                        | 363               | 390      | 1,170                   | 7                 |
| Hope C.   | 128  | 3,822                | 1,155              | 0                          | 1,492             | 0        | 1,119                   | 56                |
| Albany C. of Pharmacy and Health Sciences       | 129  | 3,765                | 1,938              | 0                          | 822               | 841      | 137                     | 27                |
| U. of the Sciences Philadelphia                 | 130  | 3,761                | 1,126              | 234                        | 1,042             | 850      | 509                     | 0                 |
| Barnard C.                                      | 131  | 3,748                | 2,800              | 0                          | 467               | 60       | 421                     | 0                 |

TABLE 37

**Higher education R&D expenditures at private institutions, ranked by all R&D expenditures, by source of funds: FY 2020**

(Dollars in thousands)

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|--|------|----------------------|--------------------|----------------------------|-------------------|----------|-------------------------|-------------------|
|  |      |                      | Federal government | State and local government | Institution funds | Business | Nonprofit organizations | All other sources |
| Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences | 132  | 3,737                | 342                | 0                          | 3,362             | 0        | 33                      | 0                 |
| Carleton C.  | 133  | 3,732                | 1,236              | 17                         | 2,052             | 0        | 427                     | 0                 |
| Franklin and Marshall C.   | 134  | 3,623                | 1,202              | 204                        | 1,747             | 231      | 73                      | 166               |
| New York Institute of Technology   | 135  | 3,580                | 1,542              | 153                        | 1,592             | 0        | 293                     | 0                 |
| Touro U.   | 136  | 3,551                | 1,558              | 63                         | 1,876             | 53       | 1                       | 0                 |
| MGH Institute of Health Professions  | 137  | 3,549                | 3,014              | 0                          | 20                | 0        | 515                     | 0                 |
| Swarthmore C.  | 138  | 3,544                | 1,041              | 0                          | 2,278             | 0        | 225                     | 0                 |
| Trinity U.   | 139  | 3,472                | 1,207              | 17                         | 1,280             | 0        | 886                     | 82                |
| Philadelphia C. of Osteopathic Medicine  | 140  | 3,360                | 422                | 0                          | 2,415             | 0        | 523                     | 0                 |
| Lewis and Clark C.   | 141  | 3,350                | 1,268              | 0                          | 1,527             | 0        | 555                     | 0                 |
| High Tech High Graduate School of Ed.  | 142  | 3,304                | 0                  | 0                          | 0                 | 0        | 3,304                   | 0                 |
| St. John's U., New York  | 143  | 3,282                | 1,805              | 0                          | 789               | 147      | 374                     | 167               |
| Milwaukee School of Engineering  | 144  | 3,190                | 613                | 0                          | 0                 | 2,575    | 2                       | 0                 |
| Saint Joseph's U.  | 145  | 3,150                | 1,047              | 812                        | 1,084             | 123      | 84                      | 0                 |
| Harvey Mudd C.   | 146  | 2,916                | 1,748              | 0                          | 926               | 26       | 93                      | 123               |
| Colgate U.   | 147  | 2,913                | 918                | 0                          | 1,768             | 12       | 215                     | 0                 |
| Pomona C.  | 148  | 2,855                | 1,123              | 12                         | 1,564             | 0        | 156                     | 0                 |
| Alfred U.  | 149  | 2,780                | 947                | 857                        | 662               | 314      | 0                       | 0                 |
| Yeshiva U.   | 150  | 2,763                | 772                | 0                          | 1,407             | 0        | 239                     | 345               |
| Spelman C.   | 151  | 2,750                | 2,136              | 0                          | 477               | 137      | 0                       | 0                 |
| Bowdoin C.   | 152  | 2,719                | 1,862              | 33                         | 707               | 1        | 116                     | 0                 |
| Santa Clara U.   | 153  | 2,682                | 1,522              | 311                        | NA                | 283      | 566                     | 0                 |
| U. of St. Thomas (MN)  | 154  | 2,679                | 450                | 212                        | 801               | 550      | 555                     | 111               |
| Occidental C.  | 155  | 2,657                | 1,567              | 279                        | NA                | 303      | 508                     | 0                 |
| Dillard U.   | 156  | 2,523                | 1,200              | 87                         | 771               | 0        | 98                      | 367               |
| Johnson C. Smith U.  | 157  | 2,472                | 2,230              | 132                        | 0                 | 10       | 100                     | 0                 |
| U. Richmond  | 158  | 2,469                | 1,628              | 0                          | 613               | 0        | 228                     | 0                 |
| Skidmore C.  | 159  | 2,412                | 1,827              | 0                          | 441               | 0        | 144                     | 0                 |
| Babson C.  | 160  | 2,352                | 14                 | 0                          | 1,007             | 358      | 683                     | 290               |
| Bates C.   | 161  | 2,303                | 1,885              | 0                          | 212               | 0        | 104                     | 102               |
| Colorado C.  | 162  | 2,291                | 196                | 290                        | 917               | 0        | 888                     | 0                 |
| Davidson C.  | 163  | 2,263                | 1,411              | 0                          | 413               | 10       | 408                     | 21                |
| U. San Francisco   | 164  | 2,161                | 148                | 118                        | 1,372             | 0        | 523                     | 0                 |
| Keck Graduate Institute  | 165  | 2,152                | 1,113              | 0                          | 687               | 142      | 35                      | 175               |
| Hobart and William Smith Colleges  | 166  | 2,114                | 1,072              | 436                        | 384               | 0        | 85                      | 137               |
| Suffolk U.   | 167  | 2,106                | 844                | 0                          | 1,010             | 0        | 252                     | 0                 |
| Tougaloo C.  | 168  | 2,102                | 2,102              | 0                          | 0                 | 0        | 0                       | 0                 |
| Furman U.  | 169  | 2,101                | 847                | 10                         | 1,099             | 0        | 38                      | 107               |
| Kettering U.   | 170  | 2,081                | 568                | 8                          | 832               | 591      | 63                      | 19                |
| Seattle U.   | 171  | 2,060                | 1,303              | 62                         | 160               | 1        | 334                     | 200               |
| U. Ana G. Mendez, Gurabo   | 172  | 2,049                | 946                | 0                          | 1,103             | 0        | 0                       | 0                 |
| Mount Holyoke C.   | 173  | 2,016                | 1,442              | 0                          | 227               | 0        | 347                     | 0                 |
| Pepperdine U.  | 174  | 2,006                | 693                | 31                         | 623               | 0        | 634                     | 25                |

TABLE 37

## Higher education R&amp;D expenditures at private institutions, ranked by all R&amp;D expenditures, by source of funds: FY 2020

(Dollars in thousands)

| Institution                          | Rank | All R&D expenditures | Source of funds    |                            |                   |          |                         |                   |
|--------------------------------------|------|----------------------|--------------------|----------------------------|-------------------|----------|-------------------------|-------------------|
|                                      |      |                      | Federal government | State and local government | Institution funds | Business | Nonprofit organizations | All other sources |
| Erikson Institute                    | 175  | 1,992                | 1,006              | 0                          | 96                | 0        | 890                     | 0                 |
| Elon U.                              | 176  | 1,968                | 106                | 0                          | 1,828             | 0        | 34                      | 0                 |
| Claflin U.                           | 177  | 1,910                | 1,907              | 0                          | 0                 | 0        | 3                       | 0                 |
| Palmer C. of Chiropractic, Davenport | 178  | 1,900                | 1,400              | 0                          | 500               | 0        | 0                       | 0                 |
| Liberty U.                           | 179  | 1,894                | 886                | 0                          | 513               | 316      | 146                     | 33                |
| Hamilton C.                          | 180  | 1,869                | 144                | 0                          | 1,270             | 0        | 397                     | 58                |
| Mercyhurst U.                        | 181  | 1,850                | 690                | 568                        | 592               | 0        | 0                       | 0                 |
| Hawaii Pacific U.                    | 182  | 1,796                | 1,699              | 52                         | 27                | 0        | 4                       | 14                |
| Macalester C.                        | 183  | 1,755                | 647                | 84                         | 794               | 0        | 230                     | 0                 |
| Monmouth U.                          | 184  | 1,729                | 110                | 1,149                      | 70                | 20       | 309                     | 71                |
| Middlebury C.                        | 185  | 1,720                | 1,546              | 0                          | 132               | 1        | 41                      | 0                 |
| U. of the Pacific                    | 186  | 1,713                | 1,375              | 96                         | NA                | 13       | 229                     | 0                 |
| La Sierra U.                         | 187  | 1,647                | 618                | 0                          | 531               | 0        | 498                     | 0                 |
| Connecticut C.                       | 188  | 1,598                | 483                | 0                          | 1,071             | 0        | 44                      | 0                 |
| Vassar C.                            | 189  | 1,568                | 1,055              | 0                          | 306               | 0        | 182                     | 25                |
| Willamette U.                        | 190  | 1,546                | 401                | 1                          | 768               | 0        | 376                     | 0                 |
| Mills C.                             | 191  | 1,541                | 1,341              | 24                         | 70                | 0        | 90                      | 16                |
| Colby C.                             | 192  | 1,536                | 809                | 0                          | 388               | 0        | 0                       | 339               |
| Roger Williams U.                    | 193  | 1,531                | 1,045              | 80                         | 301               | 17       | 88                      | 0                 |
| Lawrence Technological U.            | 194  | 1,521                | 405                | 174                        | 64                | 212      | 666                     | 0                 |
| Calvin U.                            | 195  | 1,497                | 888                | 30                         | 5                 | 92       | 176                     | 306               |
| U. of the Incarnate Word             | 196  | 1,469                | 869                | 130                        | 155               | 42       | 268                     | 5                 |
| Hofstra U.                           | 197  | 1,445                | 997                | 231                        | 96                | 3        | 64                      | 54                |
| U. Hartford                          | 198  | 1,436                | 854                | 0                          | 568               | 14       | 0                       | 0                 |
| National U. of Natural Medicine      | 199  | 1,428                | 912                | 0                          | 333               | 160      | 0                       | 23                |
| Trinity C., Hartford                 | 199  | 1,428                | 1,019              | 0                          | 353               | 2        | 54                      | 0                 |
| Franklin W. Olin C. of Engineering   | 201  | 1,404                | 293                | 0                          | 530               | 27       | 499                     | 55                |
| Lafayette C.                         | 202  | 1,390                | 755                | 14                         | 522               | 1        | 53                      | 45                |
| Marshall B. Ketchum U.               | 203  | 1,357                | 323                | 0                          | 685               | 349      | 0                       | 0                 |
| Wheaton C., Wheaton                  | 204  | 1,322                | 324                | 0                          | 309               | 1        | 688                     | 0                 |
| Manhattan C.                         | 205  | 1,307                | 398                | 174                        | 503               | 232      | 0                       | 0                 |
| Alaska Pacific U.                    | 206  | 1,261                | 148                | 0                          | 0                 | 1,100    | 10                      | 3                 |
| Fairfield U.                         | 207  | 1,210                | 365                | 0                          | 255               | 0        | 590                     | 0                 |
| Ithaca C.                            | 208  | 1,199                | 981                | 0                          | 170               | 0        | 13                      | 35                |
| Biola U.                             | 209  | 1,187                | 662                | 18                         | 300               | 79       | 97                      | 31                |
| Oberlin C.                           | 210  | 1,182                | 743                | 0                          | 360               | 73       | 6                       | 0                 |
| New England C. of Optometry          | 211  | 1,150                | 785                | 0                          | 166               | 193      | 6                       | 0                 |
| Albion C.                            | 212  | 1,132                | 272                | 0                          | 860               | 0        | 0                       | 0                 |
| Saint John's U., Collegeville        | 213  | 1,130                | 0                  | 0                          | 1,130             | 0        | 0                       | 0                 |
| Heidelberg U.                        | 214  | 1,125                | 188                | 824                        | 48                | 53       | 12                      | 0                 |
| Niagara U.                           | 215  | 1,124                | 24                 | 258                        | 352               | 0        | 490                     | 0                 |
| Doane U.                             | 216  | 1,123                | 958                | 0                          | 148               | 0        | 17                      | 0                 |
| Providence C.                        | 217  | 1,092                | 913                | 0                          | 127               | 0        | 52                      | 0                 |
| C. Wooster                           | 218  | 1,076                | 283                | 0                          | 703               | 0        | 90                      | 0                 |
| C. of Saint Benedict                 | 219  | 1,069                | 43                 | 0                          | 1,026             | 0        | 0                       | 0                 |
| Union C., Schenectady                | 220  | 1,062                | 462                | 4                          | 483               | 24       | 58                      | 31                |
| Andrews U.                           | 221  | 1,033                | 263                | 2                          | 565               | 0        | 203                     | 0                 |

TABLE 37

**Higher education R&D expenditures at private institutions, ranked by all R&D expenditures, by source of funds: FY 2020**

(Dollars in thousands)

| Institution                   | Rank | All R&D expenditures | Source of funds    |                            |                   |          |                         |                   |  |
|-------------------------------|------|----------------------|--------------------|----------------------------|-------------------|----------|-------------------------|-------------------|--|
|                               |      |                      | Federal government | State and local government | Institution funds | Business | Nonprofit organizations | All other sources |  |
| St. Olaf C.                   | 222  | 1,032                | 230                | 0                          | 652               | 0        | 150                     | 0                 |  |
| Lipscomb U.                   | 223  | 1,000 i              | 557 i              | 15 i                       | 247 i             | 66 i     | 86 i                    | 29 i              |  |
| Rhode Island School of Design | 224  | 975 i                | 236 i              | 42 i                       | 426 i             | 221 i    | 50 i                    | 0 i               |  |
| Saint Michael's C.            | 225  | 957                  | 775                | 0                          | 182               | 0        | 0                       | 0                 |  |
| Dickinson C.                  | 226  | 929                  | 222                | 87                         | 325               | 49       | 29                      | 217               |  |
| Emerson C.                    | 227  | 919                  | 84                 | 171                        | 279               | 27       | 202                     | 156               |  |
| Gettysburg C.                 | 228  | 913                  | 320                | 0                          | 144               | 46       | 227                     | 176               |  |
| Kenyon C.                     | 229  | 908                  | 714                | 0                          | 146               | 0        | 48                      | 0                 |  |
| U. Puget Sound                | 230  | 895                  | 401                | 0                          | 238               | 0        | 206                     | 50                |  |
| Whitman C.                    | 231  | 865                  | 558                | 0                          | 246               | 0        | 61                      | 0                 |  |
| Bradley U.                    | 232  | 851                  | 235                | 86                         | 207               | 301      | 0                       | 22                |  |
| Stonehill C.                  | 233  | 833                  | 674                | 0                          | 159               | 0        | 0                       | 0                 |  |
| La Salle U.                   | 234  | 818                  | 14                 | 0                          | 804               | 0        | 0                       | 0                 |  |
| Polytechnic U. Puerto Rico    | 235  | 813                  | 813                | 0                          | NA                | 0        | 0                       | 0                 |  |
| Benedict C.                   | 236  | 649                  | 635                | 3                          | 0                 | 0        | 11                      | 0                 |  |
| U. Ana G. Mendez, Carolina    | 237  | 647                  | 520                | 0                          | 127               | 0        | 0                       | 0                 |  |
| California Lutheran U.        | 238  | 630                  | 271                | 0                          | 359               | 0        | 0                       | 0                 |  |
| St. Bonaventure U.            | 239  | 585                  | 265                | 0                          | 136               | 8        | 12                      | 164               |  |
| Merrimack C.                  | 240  | 503                  | 306                | 0                          | 72                | 0        | 125                     | 0                 |  |

i = imputed. NA = not available; data were not provided by institution.

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory, with \$1,909,094 thousand in total R&D expenditures in FY 2020.**Note(s):**

Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

**Source(s):**

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2020.