

TABLE 33

**Higher education R&D expenditures at historically black colleges and universities, ranked by all R&D expenditures, by R&D field: FY 2021**

(Dollars in thousands)

| Institution  | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| All HBCUs  | -    | 549,289              | 14,383                            | 25,515  | 310,027       | 6,443                      | 52,735            | 6,323      | 20,135          | 1,952        | 66,548      | 45,228             |
| Howard U.  | 1    | 52,412               | 1,747                             | 289   | 30,787        | 198                        | 5,720             | 2,214      | 952             | 0            | 9,535       | 970                |
| Florida A&M U.   | 2    | 47,124               | 16                                | 5,633   | 23,507        | 4                          | 1,346             | 212        | 5               | 0            | 5,222       | 11,179             |
| North Carolina Agricultural and Technical State U.                 | 3    | 40,751               | 1,227                             | 0   | 20,086        | 797                        | 1,158             | 236        | 69              | 0            | 11,616      | 5,562              |
| Morehouse School of Medicine                                       | 4    | 32,637               | 0                                 | 0   | 32,637        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Tennessee State U.   | 5    | 26,880 i             | 454 i                             | 314 i   | 21,260 i      | 116 i                      | 435 i             | 259 i      | 509 i           | 0 i          | 3,062 i     | 471 i              |
| Delaware State U.  | 6    | 23,193               | 334                               | 377   | 14,196        | 3                          | 2,304             | 1,144      | 528             | 0            | 308         | 3,999              |
| Tuskegee U.  | 7    | 21,355               | 463                               | 0   | 8,136         | 1,146                      | 169               | 0          | 5,828           | 85           | 5,528       | 0                  |
| Morgan State U.  | 8    | 20,628               | 660                               | 3,298   | 5,810         | 146                        | 774               | 9          | 160             | 0            | 8,031       | 1,740              |
| Prairie View A&M U.  | 9    | 17,582               | 188                               | 0   | 8,187         | 81                         | 1,348             | 292        | 17              | 67           | 4,687       | 2,715              |
| Jackson State U.   | 10   | 16,157               | 662                               | 2   | 3,183         | 44                         | 8,231             | 174        | 73              | 217          | 2,236       | 1,335              |
| Meharry Medical C.   | 11   | 15,840               | 0                                 | 0   | 15,840        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. of the Virgin Islands   | 12   | 15,231               | 90                                | 6,508   | 6,045         | 439                        | 1,069             | 0          | 248             | 0            | 832         | 0                  |
| Alcorn State U.  | 13   | 14,188               | 0                                 | 0   | 6,826         | 0                          | 0                 | 0          | 7,181           | 0            | 181         | 0                  |
| North Carolina Central U.  | 14   | 14,105               | 157                               | 294   | 6,109         | 0                          | 3,257             | 0          | 250             | 0            | 1,773       | 2,265              |
| Xavier U. Louisiana  | 15   | 12,799               | 652                               | 0   | 3,511         | 0                          | 8,440             | 0          | 0               | 0            | 57          | 139                |
| Hampton U.   | 16   | 11,669               | 994                               | 2,881   | 1,685         | 344                        | 3,409             | 0          | 1,041           | 0            | 827         | 488                |
| Virginia State U.  | 17   | 10,123               | 0                                 | 8   | 7,191         | 217                        | 0                 | 95         | 0               | 0            | 1,273       | 1,339              |
| Texas Southern U.  | 18   | 9,128                | 136                               | 79  | 5,033         | 167                        | 1,168             | 425        | 845             | 0            | 27          | 1,248              |
| Alabama A&M U.   | 19   | 9,065 i              | 307 i                             | 0 i   | 5,357 i       | 74 i                       | 627 i             | 171 i      | 283 i           | 0 i          | 1,714 i     | 532 i              |
| Clark Atlanta U.   | 20   | 8,892                | 160                               | 0   | 6,614         | 286                        | 1,616             | 0          | 0               | 0            | 36          | 180                |
| Kentucky State U.  | 21   | 8,756                | 15                                | 2   | 8,546         | 193                        | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Central State U.   | 22   | 8,751                | 0                                 | 102   | 8,134         | 69                         | 67                | 0          | 0               | 168          | 211         | 0                  |
| U. Arkansas, Pine Bluff  | 23   | 8,713                | 0                                 | 0   | 6,852         | 3                          | 1,175             | 0          | 0               | 683          | 0           | 0                  |
| U. Maryland, Eastern Shore   | 24   | 8,636                | 0                                 | 4,182   | 4,310         | 0                          | 0                 | 0          | 0               | 0            | 144         | 0                  |
| Winston-Salem State U.   | 25   | 8,123                | 590                               | 0   | 3,530         | 0                          | 956               | 356        | 1,458           | 0            | 0           | 1,233              |
| U. of the District of Columbia                                     | 26   | 8,104                | 242                               | 177   | 3,054         | 447                        | 0                 | 0          | 0               | 0            | 3,134       | 1,050              |
| Lincoln U., Jefferson City   | 27   | 7,621                | 6                                 | 60  | 7,345         | 90                         | 0                 | 0          | 120             | 0            | 0           | 0                  |
| West Virginia State U.   | 28   | 6,565                | 2                                 | 0   | 6,436         | 0                          | 0                 | 0          | 0               | 0            | 0           | 127                |
| Langston U.  | 29   | 6,345                | 0                                 | 0   | 6,062         | 0                          | 28                | 0          | 0               | 0            | 0           | 255                |
| Southern U. and A&M C., Agricultural Research and Extension Center | 30   | 6,164                | 0                                 | 0   | 6,164         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |

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(Dollars in thousands)

| Institution                         | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|-------------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Southern U. and A&M C., Baton Rouge | 31   | 4,943                | 473                               | 0   | 492           | 68                         | 583               | 0          | 1               | 0            | 2,282       | 1,044              |
| Fort Valley State U.                | 32   | 4,842                | 42                                | 82  | 4,620         | 22                         | 76                | 0          | 0               | 0            | 0           | 0                  |
| Morehouse C.                        | 33   | 4,533                | 540                               | 0   | 90            | 949                        | 1,831             | 59         | 0               | 633          | 0           | 431                |
| Fisk U.                             | 34   | 4,320                | 415                               | 0   | 1,601         | 415                        | 1,645             | 60         | 7               | 0            | 0           | 177                |
| Norfolk State U.                    | 35   | 4,316                | 1,957                             | 0   | 88            | 29                         | 763               | 0          | 58              | 0            | 1,413       | 8                  |
| Fayetteville State U.               | 36   | 3,933                | 584                               | 0   | 960           | 0                          | 147               | 0          | 293             | 0            | 288         | 1,661              |
| South Carolina State U.             | 36   | 3,933 i              | 108 i                             | 0 i   | 1,416 i       | 0 i                        | 1,000 i           | 0 i        | 0 i             | 0 i          | 712 i       | 697 i              |
| Alabama State U.                    | 38   | 2,631                | 0                                 | 0   | 2,265         | 0                          | 0                 | 0          | 0               | 0            | 366         | 0                  |
| Dillard U.                          | 39   | 2,528                | 0                                 | 87  | 1,356         | 0                          | 252               | 0          | 38              | 0            | 0           | 795                |
| Johnson C. Smith U.                 | 40   | 2,461 i              | 12 i                              | 0 i   | 437 i         | 0 i                        | 318 i             | 0 i        | 0 i             | 0 i          | 386 i       | 1,308 i            |
| Spelman C.                          | 41   | 2,282                | 13                                | 0   | 633           | 96                         | 523               | 568        | 53              | 0            | 0           | 396                |
| Grambling State U.                  | 42   | 2,124                | 0                                 | 0   | 0             | 0                          | 1,238             | 0          | 0               | 0            | 0           | 886                |
| Tougaloo C.                         | 43   | 2,092 i              | 0 i                               | 0 i   | 1,733 i       | 0 i                        | 359 i             | 0 i        | 0 i             | 0 i          | 0 i         | 0 i                |
| Savannah State U.                   | 44   | 1,804                | 0                                 | 815   | 268           | 0                          | 34                | 0          | 0               | 99           | 588         | 0                  |
| Elizabeth City State U.             | 45   | 1,717                | 518                               | 0   | 752           | 0                          | 0                 | 49         | 0               | 0            | 0           | 398                |
| Bowie State U.                      | 46   | 1,398                | 446                               | 0   | 96            | 0                          | 438               | 0          | 0               | 0            | 0           | 418                |
| Clafin U.                           | 47   | 1,015                | 173                               | 26  | 515           | 0                          | 129               | 0          | 107             | 0            | 65          | 0                  |
| Albany State U.                     | 48   | 880                  | 0                                 | 299   | 272           | 0                          | 102               | 0          | 11              | 0            | 14          | 182                |

i = imputed.

HBCUs = historically black colleges and universities; nec = not elsewhere classified; S&amp;E = science and engineering.

**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 2021.