

**TABLE 8**  
**Domestic R&D performed by the company and funded by the federal government and selected industry, by employment size, for companies with 1–9 employees: 2021**

(Number and thousands of U.S. dollars)

| Industry   | NAICS code                      | All companies                                |           | 1–4 employees                                |         | 5–9 employees                                |         |
|--|---------------------------------|--|-----------|--|---------|--|---------|
|  |                                 | Companies with federally funded R&D (number) | Amount    | Companies with federally funded R&D (number) | Amount  | Companies with federally funded R&D (number) | Amount  |
| All selected industries  | 31–33, 42, 51, 5413, 5415, 5417 | 1,974  | 1,004,852 | 1,102  | 340,324 | 871  | 664,528 |
| Manufacturing industries   | 31–33                           | 255  | 142,418   | 150  | 89,341  | 106  | 53,077  |
| Food, beverage, and tobacco products                             | 311–12                          | 4  | 865       | 0  | 119     | 3  | 746     |
| Textile, apparel, and leather products                           | 313–16                          | 0  | 0         | 0  | 0       | 0  | 0       |
| Wood products  | 321                             | 0  | 0         | 0  | 0       | 0  | 0       |
| Paper  | 322                             | 0  | 0         | 0  | 0       | 0  | 0       |
| Printing and related support activities                          | 323                             | 0  | 0         | 0  | 0       | 0  | 0       |
| Petroleum and coal products                                      | 324                             | 0  | 0         | 0  | 0       | 0  | 0       |
| Chemicals  | 325                             | 20   | 9,686     | 14   | 5,352   | 6  | 4,334   |
| Pharmaceuticals and medicines                                    | 3254                            | 16   | 9,056     | 11   | 4,722   | 6  | 4,334   |
| Chemicals, excluding pharmaceuticals                             | other 325                       | 3  | 630       | 3  | 630     | 0  | 0       |
| Plastics and rubber products                                     | 326                             | 4  | 1,715     | 4  | 395     | 0  | 1,320   |
| Nonmetallic mineral products                                     | 327                             | 6  | 486       | 6  | 486     | 0  | 0       |
| Primary metals   | 331                             | 0  | 0         | 0  | 0       | 0  | 0       |
| Fabricated metal products  | 332                             | 0  | 0         | 0  | 0       | 0  | 0       |
| Machinery  | 333                             | 35   | 8,376     | 13   | 1,868   | 23   | 6,508   |
| Computer and electronic products                                 | 334                             | 118  | 48,733    | 65   | 17,819  | 52   | 30,914  |
| Semiconductor and other electronic components                    | 3344                            | 18   | 6,159     | 14   | 3,726   | 5  | 2,433   |
| Navigational, measuring, electromedical, and control instruments | 3345                            | 85   | 38,853    | 39   | 10,372  | 45   | 28,481  |
| Other computer and electronic products                           | other 334                       | 12   | 3,721     | 12   | 3,721   | 0  | 0       |
| Electrical equipment, appliances, and components                 | 335                             | 0  | 468       | 0  | 0       | 0  | 468     |
| Transportation equipment   | 336                             | 5  | 3,219     | 0  | 1,418   | 3  | 1,800   |
| Aerospace products and parts                                     | 3364                            | 5  | 3,219     | 0  | 1,418   | 3  | 1,800   |
| Other transportation equipment                                   | other 336                       | 0  | 0         | 0  | 0       | 0  | 0       |
| Furniture and related products                                   | 337                             | 3  | 286       | 0  | 0       | 3  | 286     |
| Miscellaneous manufacturing                                      | 339                             | 59   | 68,584    | 47   | 61,884  | 13   | 6,700   |
| Selected nonmanufacturing industries                             | 42, 51, 5413, 5415, 5417        | 1,717  | 862,434   | 952  | 250,983 | 764  | 611,451 |
| Wholesale trade  | 42                              | 60   | 20,777    | 3  | 1,832   | 57   | 18,945  |
| Information  | 51                              | 76   | 20,623    | 46   | 6,795   | 29   | 13,829  |
| Software publishers  | 5112                            | 56   | 16,517    | 27   | 2,969   | 28   | 13,547  |
| Information, excluding software publishers                       | 51 less 5112                    | 20   | 4,107     | 19   | 3,825   | 0  | 282     |
| Architectural, engineering, and related services                 | 5413                            | 229  | 70,603    | 85   | 18,868  | 143  | 51,736  |
| Computer systems design and related services                     | 5415                            | 244  | 295,102   | 98   | 17,223  | 145  | 277,879 |
| Scientific research and development services                     | 5417                            | 1,105  | 455,328   | 716  | 206,267 | 388  | 249,062 |
| Research and development in nanotechnology                       | 541713                          | 107  | 40,900    | 63   | 17,352  | 45   | 23,547  |

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| Research and development in biotechnology (except nanobiotechnology)   | 541714     | 324  | 130,369 | 205  | 60,689  | 120  | 69,679  |
| Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology) | 541715     | 665  | 281,490 | 442  | 126,068 | 223  | 155,423 |
| Social sciences and humanities research and development  | 541720     | 10   | 2,570   | 8  | r 2,157 | 2  | 412     |

r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Industry classification is based on dominant establishment payroll. Statistics are representative of companies located in the United States that performed or funded R&D.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2022 Annual Business Survey: Data Year 2021.