

**Table 1. Annual Business Survey aggregate R&D estimates, by questionnaire reference and company size, for companies with 1–9 employees in selected industries: 2023**

(Thousands of U.S. dollars)

| Company and financial information                                                       | All companies | 1–4 employees | 5–9 employees |
|-----------------------------------------------------------------------------------------|---------------|---------------|---------------|
| Number of companies                                                                     | 18,579        | 12,048        | 6,531         |
| Total R&D cost                                                                          | 8,283,032     | 4,022,872     | 4,260,160     |
| Foreign R&D costs                                                                       | 1,164,450     | 710,089       | 454,361       |
| Domestic R&D costs                                                                      | 7,118,582     | 3,312,783     | 3,805,799     |
| Domestic R&D costs for salaries, wages, and fringe benefits                             | 4,006,505     | 1,808,677     | 2,197,827     |
| Domestic R&D costs for expensed machinery and equipment (not capitalized)               | 169,182       | 88,902        | 80,279        |
| Domestic R&D costs for materials and supplies                                           | 545,264       | 268,839       | 276,425       |
| Domestic R&D costs for payments to others for R&D                                       | 1,174,829     | 510,057       | 664,772       |
| Domestic R&D costs for depreciation on R&D property and equipment                       | 48,708        | 21,983        | 26,725        |
| Domestic R&D costs for other costs                                                      | 1,174,095     | 614,325       | 559,770       |
| Domestic R&D performance                                                                | 5,943,753     | 2,802,726     | 3,141,027     |
| Domestic R&D performance paid for by the company                                        | 4,644,201     | 2,122,661     | 2,521,541     |
| Domestic R&D performance paid for by foreign owner                                      | 164,699       | 94,832        | 69,867        |
| Domestic R&D performance paid for by another U.S. business                              | 375,984       | 222,009       | 153,975       |
| Domestic R&D performance paid for by other businesses located outside the United States | 35,146        | 22,995        | 12,151        |
| Domestic R&D performance paid for by U.S. university or college                         | 36,493        | 26,819        | 9,673         |
| Domestic R&D performance paid for by U.S. nonprofit organization                        | 22,029        | 13,125        | 8,904         |
| Domestic R&D performance paid for by U.S. federal government                            | 650,113       | 291,297       | 358,816       |
| Domestic R&D performance paid for by U.S. state or local government                     | 14,650        | 8,850         | 5,800         |
| Domestic R&D performance paid for by all other organizations outside the United States  | 438           | 138           | 300           |
| Domestic R&D performance for basic research                                             | 654,970       | 292,173       | 362,796       |
| Domestic R&D performance for applied research                                           | 1,936,389     | 903,972       | 1,032,417     |
| Domestic R&D performance for development                                                | 3,352,394     | 1,606,581     | 1,745,813     |
| Domestic R&D performance paid for by U.S. federal government for basic research         | 52,236        | 20,871        | 31,365        |
| Domestic R&D performance paid for by U.S. federal government for applied research       | 314,323       | 130,522       | 183,801       |
| Domestic R&D performance paid for by U.S. federal government for development            | 283,555       | 139,904       | 143,651       |
| Total capital expenditures                                                              | 2,597,146     | 1,327,408     | 1,269,738     |
| Total capital expenditures for R&D operations                                           | 472,195       | 292,873       | 179,322       |
| Capital expenditures for R&D operations for land acquisition                            | 644           | 644           | 0             |
| Capital expenditures for R&D operations for buildings and land improvement              | 21,184        | 6,202         | 14,982        |
| Capital expenditures for R&D operations for machinery and equipment                     | 149,031       | 79,552        | 69,479        |
| Capital expenditures for R&D operations for capitalized software                        | 84,365        | 54,138        | 30,227        |
| Capital expenditures for R&D operations for other intellectual property                 | 58,895        | 52,387        | 6,508         |
| Capital expenditures for R&D operations for all other costs                             | 158,075       | 99,950        | 58,126        |

r = relative standard error &gt; 50%.

**Note(s):**

Detail may not add to total because of rounding. Statistics are representative of companies located in the United States that performed or funded R&D. Selected industries include the 2022 North American Industry Classification System sectors 31, 32, 33, 42, and 51 and industries 5413, 5415, and 5417.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2024 Annual Business Survey: Data Year 2023.