

TABLE 33

Product innovating R&D performing companies, by selected industry, for companies with 1–9 employees: 2020

(Number and percent)

| Industry | NAICS code | Companies (number) | | Product innovation | | | |
|--|---------------------------------|-----------------------|---|--------------------|-------|---------|------|
| | | | | Number | | Percent | |
| | | | | Yes | No | Yes | No |
| All selected industries | 31–33, 42, 51, 5413, 5415, 5417 | 15,391 | | 7,021 | 8,370 | 45.6 | 54.4 |
| Manufacturing industries | 31–33 | 1,913 | | 859 | 1,054 | 44.9 | 55.1 |
| Food, beverage, and tobacco products | 311–12 | 52 | | 24 | 28 | 46.2 | 53.8 |
| Textile, apparel, and leather products | 313–16 | 3 | r | 3 | 0 | 100.0 | 0.0 |
| Wood products | 321 | 0 | | 0 | 0 | 0.0 | 0.0 |
| Paper | 322 | 0 | | 0 | 0 | 0.0 | 0.0 |
| Printing and related support activities | 323 | 0 | | 0 | 0 | 0.0 | 0.0 |
| Petroleum and coal products | 324 | 0 | | 0 | 0 | 0.0 | 0.0 |
| Chemicals | 325 | 576 | | 231 | 345 | 40.1 | 59.9 |
| Pharmaceuticals and medicines | 3254 | 147 | | 65 | 82 | 44.2 | 55.8 |
| Chemicals, excluding pharmaceuticals | other 325 | 431 | | 166 | 265 | 38.5 | 61.5 |
| Plastics and rubber products | 326 | 68 | | 24 | 44 | 35.3 | 64.7 |
| Nonmetallic mineral products | 327 | 0 | | 0 | 0 | 0.0 | 0.0 |
| Primary metals | 331 | 13 | | 6 | 7 | 46.2 | 53.8 |
| Fabricated metal products | 332 | 56 | r | 9 | 47 | 16.1 | 83.9 |
| Machinery | 333 | 192 | | 148 | 44 | 77.1 | 22.9 |
| Computer and electronic products | 334 | 672 | | 306 | 366 | 45.5 | 54.5 |
| Semiconductor and other electronic components | 3344 | 150 | | 62 | 88 | 41.3 | 58.7 |
| Navigational, measuring, electromedical, and control instruments | 3345 | 430 | | 195 | 235 | 45.3 | 54.7 |
| Other computer and electronic products | other 334 | 92 | | 49 | 43 | 53.3 | 46.7 |
| Electrical equipment, appliances, and components | 335 | 78 | | 19 | 59 | 24.4 | 75.6 |
| Transportation equipment | 336 | 74 | | 28 | 46 | 37.8 | 62.2 |
| Aerospace products and parts | 3364 | 45 | | 22 | 23 | 48.9 | 51.1 |
| Other transportation equipment | other 336 | 30 | | 7 | 23 | 23.3 | 76.7 |
| Furniture and related products | 337 | 2 | | 2 | 0 | 100.0 | 0.0 |
| Miscellaneous manufacturing | 339 | 126 | | 57 | 69 | 45.2 | 54.8 |
| Selected nonmanufacturing industries | 42, 51, 5413, 5415, 5417 | 13,479 | | 6,163 | 7,316 | 45.7 | 54.3 |
| Wholesale trade | 42 | 877 | | 443 | 434 | 50.5 | 49.5 |
| Information | 51 | 2,488 | | 1,569 | 919 | 63.1 | 36.9 |
| Software publishers | 5112 | 1,676 | | 1,077 | 599 | 64.3 | 35.7 |
| Information, excluding software publishers | 51 less 5112 | 813 | | 493 | 320 | 60.6 | 39.4 |
| Architectural, engineering, and related services | 5413 | 1,680 | | 718 | 962 | 42.7 | 57.3 |
| Computer systems design and related services | 5415 | 5,062 | | 2,564 | 2,498 | 50.7 | 49.3 |
| Scientific research and development services | 5417 | 3,373 | | 869 | 2,504 | 25.8 | 74.2 |
| Research and development in nanotechnology | 541713 | 339 | | 90 | 249 | 26.5 | 73.5 |
| Research and development in biotechnology (except nanobiotechnology) | 541714 | 1,109 | | 197 | 912 | 17.8 | 82.2 |
| Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology) | 541715 | 1,885 | | 563 | 1,322 | 29.9 | 70.1 |
| Social sciences and humanities research and development | 541720 | 42 | | 20 | 22 | 47.6 | 52.4 |

r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

Note(s):

Detail across rows may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Detail across columns have been adjusted to add to total. Only companies in the following NAICS sectors and industries are included in this table: 31–33, 42, 51, 5413, 5415, and 5417. Industry classification 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 U.S. Census Bureau, 2021 Annual Business Survey: Data Year 2020.