

TABLE 17

Domestic R&D researchers with PhDs, by selected industry, for companies with 1–9 employees: 2020

(Number)

| Industry | NAICS code | All researchers (including R&D scientists, engineers, and their managers) | Researchers with PhD (excluding MD, JD, and EdD) |
|--|---------------------------------|--|--|
| All selected industries | 31–33, 42, 51, 5413, 5415, 5417 | 27,029 | 7,832 |
| Manufacturing industries | 31–33 | 3,337 | 937 |
| Food, beverage, and tobacco products | 311–12 | 99 | 40 |
| Textile, apparel, and leather products | 313–16 | 5 | 0 |
| Wood products | 321 | 0 | 0 |
| Paper | 322 | 0 | 0 |
| Printing and related support activities | 323 | 0 | 0 |
| Petroleum and coal products | 324 | 0 | 0 |
| Chemicals | 325 | 732 | 287 |
| Pharmaceuticals and medicines | 3254 | 223 | 128 |
| Chemicals, excluding pharmaceuticals | other 325 | 509 | 159 |
| Plastics and rubber products | 326 | 83 | 38 |
| Nonmetallic mineral products | 327 | 0 | 0 |
| Primary metals | 331 | 27 | 0 |
| Fabricated metal products | 332 | 226 | 3 |
| Machinery | 333 | 398 | 63 |
| Computer and electronic products | 334 | 1,181 | 412 |
| Semiconductor and other electronic components | 3344 | 226 | 36 |
| Navigational, measuring, electromedical, and control instruments | 3345 | 778 | 344 |
| Other computer and electronic products | other 334 | 177 | 32 |
| Electrical equipment, appliances, and components | 335 | 172 | 29 |
| Transportation equipment | 336 | 116 | 9 |
| Aerospace products and parts | 3364 | 80 | 4 |
| Other transportation equipment | other 336 | 36 | 5 |
| Furniture and related products | 337 | 0 | 0 |
| Miscellaneous manufacturing | 339 | 297 | 56 |
| Selected nonmanufacturing industries | 42, 51, 5413, 5415, 5417 | 23,692 | 6,895 |
| Wholesale trade | 42 | 1,314 | 271 |
| Information | 51 | 4,659 | 568 |
| Software publishers | 5112 | 3,202 | 438 |
| Information, excluding software publishers | 51 less 5112 | 1,457 | 130 |

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|--|------------|---|--|
| Architectural, engineering, and related services | 5413 | 2,966 | 470 |
| Computer systems design and related services | 5415 | 6,496 | 1,128 |
| Scientific research and development services | 5417 | 8,257 | 4,458 |
| Research and development in nanotechnology | 541713 | 869 | 500 |
| Research and development in biotechnology (except nanobiotechnology) | 541714 | 2,597 | 1,650 |
| Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology) | 541715 | 4,729 | 2,265 |
| Social sciences and humanities research and development | 541720 | 62 | 43 |

r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

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.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, 2021 Annual Business Survey: Data Year 2020.