

TABLE 68. Full-time equivalent R&D scientists and engineers per 1,000 employees in companies performing industrial R&D in the United States, by industry and company size: 2007

Industry and company size	NAICS codes	Per 1,000 employees
All industries	21–23, 31–33, 42, 44–81	63
Manufacturing industries	31–33	71
Food	311	12
Beverage and tobacco products	312	14 i
Textiles, apparel, and leather	313–16	29
Wood products	321	D
Paper, printing, and support activities	322, 323	D
Petroleum and coal products	324	D
Chemicals	325	118
Basic chemicals	3251	67
Resin, synthetic rubber, fibers, and filament	3252	75
Pharmaceuticals and medicines	3254	185
Other chemicals	other 325	55
Plastics and rubber products	326	26
Nonmetallic mineral products	327	25 i
Primary metals	331	13
Fabricated metal products	332	41
Machinery	333	69
Computer and electronic products	334	181
Computers and peripheral equipment	3341	D
Communications equipment	3342	348
Semiconductor and other electronic components	3344	203
Navigational, measuring, electromedical, and control instruments	3345	132 i
Other computer and electronic products	other 334	D
Electrical equipment, appliances, and components	335	52
Transportation equipment	336	62
Motor vehicles, trailers, and parts	3361–63	D
Aerospace products and parts	3364	61
Other transportation equipment	other 336	D
Furniture and related products	337	13
Miscellaneous manufacturing	339	59
Medical equipment and supplies	3391	58
Other miscellaneous manufacturing	other 339	61
Nonmanufacturing industries	21–23, 42, 44–81	53
Mining, extraction, and support activities	21	D
Utilities	22	5
Construction	23	D
Wholesale trade	42	63
Retail trade	44, 45	9
Transportation and warehousing	48, 49	D
Information	51	84
Publishing	511	243
Newspaper, periodical, book, and directory	5111	D
Software	5112	D
Telecommunications	517	D
Wired and wireless (except satellite) telecommunications carriers	5171, 5172	D
Satellite telecommunications	5174	167
Other telecommunications	other 517	20 i
Internet service providers, Web search portals, and data-processing services	518	D
Internet service providers and Web search portals	5181	219
Data-processing, hosting, and related services	5182	D

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Other information	other 51	13
Finance, insurance, and real estate	52, 53	18
Professional, scientific, and technical services	54	150
Architectural, engineering, and related services	5413	202
Computer systems design and related services	5415	143
Scientific R&D services	5417	243
Other professional, scientific, and technical services	other 54	58
Health care services	621–23	48
Other nonmanufacturing ^a	55, 56, 61, 624, 71, 72, 81	13
Company size (employees)		
All companies	-	63
5–24	-	183
25–49	-	145
50–99	-	106
100–249	-	95
250–499	-	65
500–999	-	68
1,000–4,999	-	75
5,000–9,999	-	70
10,000–24,999	-	73
25,000 or more	-	42

D = suppressed to avoid disclosure of confidential information; i = more than 50% of the value is imputed; - = not applicable.

^a Estimates for management of companies and enterprises (NAICS 55), formerly shown separately, now are included in other nonmanufacturing.

NOTES: The method used to assign industry classifications has changed; industry-specific estimates for 2004 are not directly comparable with those for previous years. Excludes data for federally funded research and development centers. For definitions and more information about year-to-year comparability of the statistics, see technical notes and survey methodology.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2007.