

TABLE 29. 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: 2006

Industry and company size	NAICS codes	Per 1,000 employees
All industries	21–23, 31–33, 42, 44–81	65
Manufacturing industries	31–33	72
Food	311	11
Beverage and tobacco products	312	82 i
Textiles, apparel, and leather	313–16	32 i
Wood products	321	13 i
Paper, printing, and support activities	322, 323	20 i
Petroleum and coal products	324	D
Chemicals	325	111
Basic chemicals	3251	60
Resin, synthetic rubber, fibers, and filament	3252	80
Pharmaceuticals and medicines	3254	165 i
Other chemicals	other 325	59
Plastics and rubber products	326	27
Nonmetallic mineral products	327	37 i
Primary metals	331	14 i
Fabricated metal products	332	44
Machinery	333	69
Computer and electronic products	334	186
Computers and peripheral equipment	3341	200
Communications equipment	3342	328
Semiconductor and other electronic components	3344	183
Navigational, measuring, electromedical, and control instruments	3345	154 i
Other computer and electronic products	other 334	85 i
Electrical equipment, appliances, and components	335	52
Transportation equipment	336	67 i
Motor vehicles, trailers, and parts	3361–63	D
Aerospace products and parts	3364	63 i
Other transportation equipment	other 336	D
Furniture and related products	337	D
Miscellaneous manufacturing	339	56
Medical equipment and supplies	3391	57
Other miscellaneous manufacturing	other 339	53
Nonmanufacturing industries	21–23, 42, 44–81	55
Mining, extraction, and support activities	21	D
Utilities	22	4
Construction	23	68
Wholesale trade	42	78
Retail trade	44, 45	D
Transportation and warehousing	48, 49	D
Information	51	81
Publishing	511	242
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	61
Other telecommunications	other 517	9 i
Internet service providers, Web search portals, and data-processing services	518	141
Internet service providers and Web search portals	5181	269
Data-processing, hosting, and related services	5182	125

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Industry and company size	NAICS codes	Per 1,000 employees
Other information	other 51	D
Finance, insurance, and real estate	52, 53	19
Professional, scientific, and technical services	54	157
Architectural, engineering, and related services	5413	183
Computer systems design and related services	5415	147
Scientific R&D services	5417	258
Other professional, scientific, and technical services	other 54	60
Health care services	621-23	41
Other nonmanufacturing ^a	55, 56, 61, 624, 71, 72, 81	12
Company size (employees)		
All companies	-	65
5-24	-	186
25-49	-	141
50-99	-	100
100-249	-	94
250-499	-	64
500-999	-	55
1,000-4,999	-	70
5,000-9,999	-	74
10,000-24,999	-	77
25,000 or more	-	46

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 are not directly comparable with those for years prior to 2004. Excludes federally funded research and development centers. Data recorded in January represent employment for the previous year. 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: 2006.