

TABLE 67. Full-time equivalent R&D scientists and engineers in companies performing industrial R&D in the United States, by industry and company size, by source of R&D funds: January 2008
(Thousands)

Industry and company size	NAICS codes	All R&D	Federal	Company and other
All industries	21–23, 31–33, 42, 44–81	1,130.5	77.6 i	1,052.9
Manufacturing industries	31–33	717.1	38.0 i	679.2
Food	311	12.3	* i	12.3
Beverage and tobacco products	312	1.2	0.0	1.2
Textiles, apparel, and leather	313–16	6.3	* i	6.3
Wood products	321	D	D	1.5
Paper, printing, and support activities	322, 323	D	D	8.5
Petroleum and coal products	324	D	D	4.7 i
Chemicals	325	139.6	1.1 i	138.5
Basic chemicals	3251	13.8	*	13.4
Resin, synthetic rubber, fibers, and filament	3252	4.9	*	4.8
Pharmaceuticals and medicines	3254	103.0	0.6 i	102.5
Other chemicals	other 325	17.9	*	17.8
Plastics and rubber products	326	12.6	* i	12.6
Nonmetallic mineral products	327	5.8	* i	5.8
Primary metals	331	3.8	*	3.8
Fabricated metal products	332	16.0	* i	15.9
Machinery	333	58.8	0.5 i	58.3
Computer and electronic products	334	276.5	23.2 i	253.3
Computers and peripheral equipment	3341	D	D	35.3
Communications equipment	3342	55.1	1.3 i	53.8 i
Semiconductor and other electronic components	3344	91.8	1.5	90.2
Navigational, measuring, electromedical, and control instruments	3345	90.4	20.2 i	70.2
Other computer and electronic products	other 334	D	D	3.7
Electrical equipment, appliances, and components	335	15.6	* i	15.2
Transportation equipment	336	121.4	12.3	109.1
Motor vehicles, trailers, and parts	3361–63	D	D	71.4
Aerospace products and parts	3364	42.9	10.2	32.7
Other transportation equipment	other 336	D	D	5.1
Furniture and related products	337	3.5	* i	3.5
Miscellaneous manufacturing	339	29.1	* i	28.9
Medical equipment and supplies	3391	20.1	* i	19.9
Other miscellaneous manufacturing	other 339	9.0	* i	9.0
Nonmanufacturing industries	21–23, 42, 44–81	413.4	39.6 i	373.7
Mining, extraction, and support activities	21	D	D	5.0
Utilities	22	0.7	*	0.6
Construction	23	D	D	5.7
Wholesale trade	42	15.1	*	15.1
Retail trade	44, 45	14.7	* i	14.4
Transportation and warehousing	48, 49	D	D	1.5
Information	51	139.1	1.0	138.1
Publishing	511	100.5	*	100.3
Newspaper, periodical, book, and directory	5111	D	D	4.4
Software	5112	D	D	96.0
Telecommunications	517	D	D	15.2 i
Wired and wireless (except satellite) telecommunications carriers	5171, 5172	D	D	9.9 i
Satellite telecommunications	5174	*	0.0	*
Other telecommunications	other 517	5.3	0.0	5.3 i
Internet service providers, Web search portals, and data-processing services	518	D	D	19.8
Internet service providers and Web search portals	5181	7.0	0.0	7.0
Data-processing, hosting, and related services	5182	D	D	12.8

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Other information	other 51	2.8	0.0	2.8
Finance, insurance, and real estate	52, 53	19.3	0.0	19.3
Professional, scientific, and technical services	54	196.1	35.8 i	160.3
Architectural, engineering, and related services	5413	44.7	11.5 i	33.2
Computer systems design and related services	5415	80.3	4.8	75.5
Scientific R&D services	5417	54.8	18.9 i	35.8
Other professional, scientific, and technical services	other 54	16.4	0.6 i	15.8
Health care services	621-23	7.7	* i	7.7
Other nonmanufacturing ^a	55, 56, 61, 624, 71, 72, 81	8.1	2.0 i	6.1
Company size (employees)				
All companies	-	1,130.5	77.6 i	1,052.9
5-24	-	69.3	7.4 i	61.9
25-49	-	40.5	2.5 i	37.9
50-99	-	48.6	3.5	45.1
100-249	-	66.2	4.5	61.7
250-499	-	46.5	2.9	43.5
500-999	-	64.2	4.3	60.0
1,000-4,999	-	181.7	3.6	178.1
5,000-9,999	-	105.7	6.7	99.0
10,000-24,999	-	187.5	5.7	181.8
25,000 or more	-	320.3	36.5	283.8

* = amount < 50; 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 for number of full-time equivalent scientists and engineers by funding source are collected only on Form RD-1, the questionnaire sent to larger R&D-performing companies. Consequently, data for smaller R&D-performing companies are not distributed by source of R&D funds. 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.