

TABLE 5. Funds for industrial R&D performance in the United States and number of companies that performed R&D in the United States, by industry and size of company and by size of total R&D program: 2002

Industry and size of company	NAICS codes	Number of companies	Amount ^a (millions of dollars)	Size of R&D Program									
				Less than \$200,000		\$200,000 to \$999,999		\$1 million to \$9.9 million		\$10 million to \$99.9 million		\$100 million or more	
				Number of companies	Amount (millions of dollars)	Number of companies	Amount (millions of dollars)	Number of companies	Amount (millions of dollars)	Number of companies	Amount (millions of dollars)	Number of companies	Amount (millions of dollars)
All industries	21-23, 31-33, 42, 44-81	29,001	190,809	13,609	907	8,141	3,941	5,331	16,367	1,681	42,984	238	126,610
Manufacturing	31-33	14,043	108,985	7,538	510	3,578	1,619	2,151	6,472	639	18,926	137	81,457
Food	311	529	(D)	245	(D)	161	72	102	304	17	673	4	(D)
Beverage and tobacco products	312	57	170	14	(D)	36	13	2	(D)	6	152	0	-
Textiles, apparel, and leather	313-16	364	(D)	250	(D)	67	34	40	128	6	89	0	-
Wood products	321	90	(D)	43	(D)	35	15	8	26	3	88	0	-
Paper, printing and support activities	322, 323	396	(D)	259	(D)	81	29	39	121	14	426	3	2,061
Petroleum and coal products	324	79	(D)	50	(D)	17	7	4	10	3	120	4	1,093
Chemicals	325	1,242	20,641	518	48	360	151	225	709	116	3,870	24	15,863
Basic chemicals	3251	182	1,782	47	6	52	23	47	(D)	33	1,192	3	(D)
Resin, synthetic rubber, fibers, and filament	3252	82	2,426	30	1	15	5	22	72	11	374	4	1,974
Pharmaceuticals and medicines	3254	313	(D)	98	9	71	30	83	(D)	46	1,488	15	12,455
Other chemicals	325 minus (3251-52, 3254)	666	(D)	343	32	222	93	73	(D)	25	815	2	(D)
Plastics and rubber products	326	951	(D)	562	(D)	261	108	103	(D)	23	598	2	(D)
Nonmetallic mineral products	327	211	(D)	124	(D)	49	21	27	73	11	321	0	-
Primary metals	331	200	473	130	(D)	33	14	27	93	9	142	1	(D)
Fabricated metal products	332	1,382	1,355	989	(D)	265	131	107	326	21	601	1	(D)
Machinery	333	2,706	6,429	1,669	115	641	311	312	900	72	1,713	12	3,391
Computer and electronic products	334	2,808	35,777	1,012	84	912	402	634	1,869	202	6,053	48	27,368
Computers and peripheral equipment	3341	329	3,040	84	7	146	(D)	67	263	26	625	6	(D)
Communications equipment	3342	501	6,635	193	14	160	73	90	364	49	1,487	8	4,697
Semiconductor and other electronic components	3344	806	11,919	301	34	196	95	232	575	61	2,092	17	9,123
Navigational, measuring, electromedical, and control instruments	3345	1,047	13,729	378	24	368	158	226	610	59	1,595	16	11,342
Other computer and electronic products	334 minus (3341-42, 3344-45)	125	453	55	4	43	(D)	19	57	7	254	1	(D)
Electrical equipment, appliances, and components	335	840	2,039	501	34	171	81	127	406	37	847	5	670
Transportation equipment	336	785	26,145	377	36	197	91	146	444	42	1,418	24	24,156
Motor vehicles, trailers, and parts	3361-63	488	(D)	212	(D)	125	56	116	333	27	1,010	9	13,832
Aerospace products and parts	3364	84	9,654	31	3	17	7	15	62	9	255	11	9,327
Other transportation equipment	336 minus (3361-64)	213	(D)	134	(D)	54	28	14	49	6	153	4	997

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Distribution by industry:													
Furniture and related products	337	267	258	180	13	46	21	36	79	6	145	0	-
Miscellaneous manufacturing	339	1,136	7,457	616	28	246	118	213	633	51	1,671	9	5,007
Medical equipment and supplies	3391	557	(D)	216	10	145	63	154	(D)	33	822	8	(D)
Other miscellaneous manufacturing	339 minus (3391)	579	(D)	400	19	101	55	59	(D)	18	849	1	(D)
Other manufacturing	31-33 minus (311-16, 321-27, 331-37, 339)												
Nonmanufacturing	21-23, 42, 44-81	14,958	81,824	6,071	398	4,563	2,321	3,180	9,895	1,042	24,058	101	45,153
Mining, extraction, and support activities	21	22	(D)	0	-	4	2	14	(D)	3	118	2	(D)
Utilities	22	285	(D)	254	26	13	7	15	(D)	3	52	0	-
Construction	23	300	164	273	17	14	8	8	25	4	115	0	-
Trade	42, 44, 45	2,837	(D)	1,272	62	1,133	613	280	(D)	118	3,420	35	20,058
Transportation and warehousing	48, 49	120	(D)	10	1	99	56	9	(D)	1	(D)	1	(D)
Information	51	1,726	17,870	398	42	683	368	473	(D)	145	4,320	27	(D)
Publishing	511	1,320	13,541	361	39	477	235	370	1,109	90	2,414	23	9,744
Newspaper, periodical, book, and database	5111	51	614	32	2	4	1	8	47	4	103	3	460
Software	5112	1,269	12,927	329	37	473	234	362	1,062	86	2,311	20	9,284
Broadcasting and telecommunications	513	112	(D)	5	(D)	73	61	8	(D)	24	1,042	2	(D)
Radio and television broadcasting	5131	4	(D)	4	(D)	0	-	0	-	0	-	0	-
Telecommunications	5133	93	(D)	0	-	62	(D)	7	(D)	23	(D)	2	(D)
Other broadcasting and telecommunications	513 minus (5131, 5133)	14	(D)	1	(D)	11	(D)	1	(D)	1	(D)	0	-
Other information	51 minus (511, 513)	294	(D)	31	(D)	134	71	96	(D)	31	864	2	(D)
Finance, insurance, and real estate	52, 53	463	1,903	273	4	22	8	129	426	35	952	3	513
Professional, scientific, and technical services	54	6,973	30,358	2,355	174	2,240	1,090	1,889	5,881	457	11,351	31	11,863
Architectural, engineering, and related services	5413	1,392	4,159	557	40	501	279	273	1,192	57	1,398	5	1,251
Computer systems design and related services	5415	3,304	11,983	1,292	102	1,110	493	746	2,135	146	3,053	10	6,200
Scientific R&D services	5417	1,364	13,034	141	17	370	167	594	(D)	244	6,555	14	(D)

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Distribution by industry:													
Other professional, scientific, and technical services	54 minus (5413, 5415, 5417)	913	1,182	366	14	259	151	276	(D)	11	344	2	(D)
Management of companies and enterprises	55	35	148	8	(z)	1	(D)	23	59	3	(D)	0	-
Health care services	621-23	1,231	(D)	385	17	324	(D)	265	(D)	256	(D)	1	(D)
Other nonmanufacturing	56, 61, 624, 71, 72, 81	966	(D)	842	56	29	16	76	(D)	18	485	1	(D)
Distribution by size of company (number of employees):													
Total	(na)	29,001	190,809	13,609	907	8,141	3,941	5,331	16,367	1,681	42,984	238	126,610
5 to 24	(na)	13,028	4,261	8,477	(D)	3,338	1,556	1,211	2,147	2	(D)	0	-
25 to 49	(na)	4,620	3,845	1,828	131	1,846	937	918	2,375	28	402	0	-
50 to 99	(na)	3,846	6,164	1,851	135	948	467	921	3,580	126	1,982	0	-
100 to 249	(na)	3,441	13,227	879	70	1,145	553	855	2,894	563	9,709	0	-
250 to 499	(na)	1,573	8,055	423	44	407	192	536	1,699	205	5,674	3	446
500 to 999	(na)	962	9,925	85	9	288	150	362	1,334	216	6,692	11	1,740
1,000 to 4,999	(na)	1,054	28,625	46	5	148	74	437	1,902	347	11,202	76	15,442
5,000 to 9,999	(na)	220	17,987	21	2	16	7	54	254	91	3,205	39	14,519
10,000 to 24,999	(na)	152	26,458	1	(D)	5	(D)	26	123	69	2,590	51	23,742
25,000 or more	(na)	105	72,261	0	-	1	(D)	11	59	35	(D)	58	70,720

(D) = data have been withheld to avoid disclosing operations of individual companies; (S) = indicates imputation of more than 50 percent; (z) = indicates data less than half the unit shown; (-) = indicates data not collected; (-) = indicates a value of zero or a value rounded to zero; (na) = not applicable.

^a Beginning with 2001, statistics for total and federally funded industrial R&D exclude data for federally funded research and development centers.

NOTE: For information on sampling for 2002, see appendix A, Technical Notes.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2002.