

TABLE 14. Company and other nonfederal funds for industrial R&D performance in the United States and number of companies that performed company and other nonfederally funded R&D in the United States, by industry and size of company and by size of nonfederally funded R&D program: 2002

Industry and size of company	NAICS codes	Number of companies	Amount (millions of dollars)	Size of nonfederally funded 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)
Distribution by industry:													
All industries	21-23, 31-33, 42, 44-81	28,200	174,408	14,040	936	7,256	3,469	5,079	15,600	1,595	40,928	229	113,474
Manufacturing	31-33	13,823	98,240	7,458	500	3,481	1,574	2,122	6,327	631	18,737	131	71,102
Food	311	529	2,034	245	15	161	72	102	304	17	673	4	971
Beverage and tobacco products	312	57	170	14	(D)	36	13	2	(D)	6	152	0	-
Textiles, apparel, and leather	313-16	363	248	250	10	67	34	40	126	5	78	0	-
Wood products	321	90	132	43	3	35	15	8	26	3	88	0	-
Paper, printing and support activities	322, 323	391	2,620	259	15	81	29	34	115	14	426	3	2,036
Petroleum and coal products	324	79	1,233	50	5	17	7	4	10	3	120	4	1,092
Chemicals	325	1,241	20,395	527	50	352	148	225	690	115	3,816	24	15,692
Basic chemicals	3251	181	1,710	56	(D)	43	20	47	174	32	1,141	3	(D)
Resin, synthetic rubber, fibers, and filament	3252	82	2,413	30	1	15	5	22	72	11	373	4	1,961
Pharmaceuticals and medicines	3254	313	14,186	98	9	71	30	83	209	46	1,487	15	12,451
Other chemicals	325 minus (3251-52, 3254)	666	2,087	343	(D)	222	93	73	235	25	815	2	(D)
Plastics and rubber products	326	951	1,508	562	(D)	261	108	103	347	23	598	2	(D)
Nonmetallic mineral products	327	211	420	124	5	49	21	27	73	11	321	0	-
Primary metals	331	200	461	130	(D)	33	14	27	90	9	142	1	(D)
Fabricated metal products	332	1,281	1,251	889	(D)	267	134	103	283	21	549	1	(D)
Machinery	333	2,703	6,366	1,665	114	641	299	312	898	72	1,704	12	3,351
Computer and electronic products	334	2,786	30,307	1,103	91	830	372	605	1,769	202	6,023	46	22,051
Computers and peripheral equipment	3341	328	3,015	84	7	149	(D)	63	255	26	609	6	(D)
Communications equipment	3342	501	6,420	218	15	136	63	90	364	50	1,516	7	4,462
Semiconductor and other electronic components	3344	806	11,871	301	33	198	95	230	543	60	2,077	17	9,123
Navigational, measuring, electro-medical, and control instruments	3345	1,031	8,549	449	32	305	139	203	550	59	1,568	15	6,261
Other computer and electronic products	334 minus (3341-42, 3344-45)	121	452	50	4	43	(D)	19	57	7	253	1	(D)
Electrical equipment, appliances, and components	335	840	1,978	502	34	171	80	133	453	30	740	5	670
Transportation equipment	336	775	21,452	377	36	188	87	147	437	44	1,504	20	19,388
Motor vehicles, trailers, and parts	3361-63	488	15,199	212	26	125	56	117	335	26	999	9	13,781

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Distribution by industry:													
Aerospace products and parts	3364	83	5,349	31	3	17	7	15	54	12	352	7	4,933
Other transportation equipment	336 minus (3361-64)	204	905	134	7	46	24	14	48	6	153	4	673
Furniture and related products	337	189	251	102	8	46	21	35	78	6	145	0	-
Miscellaneous manufacturing	339	1,136	7,414	616	28	246	117	214	625	50	1,660	9	4,984
Medical equipment and supplies	3391	557	6,179	216	10	145	63	155	443	32	(D)	8	(D)
Other miscellaneous manufacturing	339 minus (3391)	579	1,235	400	19	101	55	59	181	18	(D)	1	(D)
Other manufacturing	31-33 minus (311-16, 321-27, 331-37, 339)	--	--	--	--	--	--	--	--	--	--	--	--
Nonmanufacturing	21-23, 42, 44-81	14,377	76,168	6,582	435	3,776	1,895	2,957	9,274	964	22,191	98	42,372
Mining, extraction, and support activities	21	22	715	0	-	4	2	14	(D)	3	118	2	(D)
Utilities	22	284	117	253	26	13	7	16	(D)	2	(D)	0	-
Construction	23	295	164	269	16	14	8	8	25	4	115	0	-
Trade	42, 44, 45	2,837	25,014	1,272	62	1,133	613	280	889	118	3,418	35	20,032
Transportation and warehousing	48, 49	120	339	10	1	99	56	9	(D)	1	(D)	1	(D)
Information	51	1,723	17,764	429	46	653	351	472	(D)	142	4,271	27	(D)
Publishing	511	1,317	13,488	361	39	478	236	368	1,092	88	2,377	23	9,744
Newspaper, periodical, book, and database	5111	51	614	32	2	4	1	8	47	4	103	3	460
Software	5112	1,266	12,874	329	37	474	234	360	1,045	84	2,274	20	9,284
Broadcasting and telecommunications	513	112	1,637	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	1,608	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	2,639	63	(D)	103	54	97	(D)	30	852	2	(D)
Finance, insurance, and real estate	52, 53	463	1,903	273	4	22	8	129	(D)	35	952	3	(D)
Professional, scientific, and technical services	54	6,412	24,946	2,848	208	1,484	683	1,665	5,250	387	9,660	28	9,144
Architectural, engineering, and related services	5413	1,123	2,822	565	41	255	91	259	(D)	41	925	3	(D)

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Distribution by industry:													
Computer systems design and related services	5415	3,046	10,394	1,372	112	863	435	671	1,979	129	2,849	10	5,018
Scientific R&D services	5417	1,333	10,735	302	39	350	150	460	1,718	208	5,577	13	3,251
Other professional, scientific, and technical services	54 minus (5413, 5415, 5417)	911	996	609	16	17	7	274	(D)	9	309	2	(D)
Management of companies and enterprises	55	35	148	8	(z)	1	(D)	23	(D)	3	89	0	-
Health care services	621-23	1,230	4,163	385	17	324	(D)	265	(D)	255	3,106	1	(D)
Other nonmanufacturing	56, 61, 624, 71, 72, 81	955	894	835	56	28	16	77	(D)	15	(D)	1	(D)
Distribution by size of company (number of employees):													
Total	(na)	28,200	174,408	14,040	936	7,256	3,469	5,079	15,600	1,595	40,928	229	113,474
5 to 24	(na)	12,312	3,471	8,846	(D)	2,452	1,091	1,012	1,803	2	(D)	0	(D)
25 to 49	(na)	4,605	3,586	1,833	132	1,871	930	873	2,135	27	389	0	-
50 to 99	(na)	3,820	5,701	1,852	136	951	470	922	3,527	96	1,569	0	-
100 to 249	(na)	3,426	12,622	890	72	1,154	558	843	2,772	538	9,220	0	-
250 to 499	(na)	1,559	7,370	464	50	370	185	539	1,672	184	5,016	3	446
500 to 999	(na)	951	9,394	87	9	289	150	358	(D)	207	6,302	10	(D)
1,000 to 4,999	(na)	1,050	27,640	46	5	148	74	439	1,898	344	10,991	73	14,671
5,000 to 9,999	(na)	220	16,414	21	2	17	8	55	260	92	3,256	36	12,888
10,000 to 24,999	(na)	152	25,232	1	(D)	5	(D)	26	(D)	71	2,682	49	22,424
25,000 or more	(na)	105	62,979	0	(D)	1	(D)	12	(D)	34	(D)	58	61,456

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

(-) = indicates a value of zero or a value rounded to zero; (na) = not applicable.

NOTES: The R&D in this table is the industrial R&D performed within company facilities funded from all sources except the federal government. The funds predominantly are the company's own, but also include funds from outside organizations such as other companies, research institutions, universities and colleges, nonprofit organizations, and state governments. Excluded from this table are company-funded R&D not performed within the company (e.g., R&D contracted out to other organizations) and company-funded R&D not performed within the 50 U.S. states or DC (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations). 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.