

Table A-9. Company and other non-Federal funds for industrial R&D performance in the U.S. and number of companies that performed company and other nonfederally funded R&D in the U.S., by industry and size of company, by size of nonfederally funded R&D program: 2001

Industry and size of company	NAICS codes	Total number of companies	Total amount [In 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 [In millions of dollars]	Number of companies	Amount [In millions of dollars]	Number of companies	Amount [In millions of dollars]	Number of companies	Amount [In millions of dollars]	Number of companies	Amount [In millions of dollars]
Distribution by industry:													
All industries	21-23, 31-33, 42, 44-81	32,450	181,606	17,755	1,119	7,432	3,332	5,340	17,413	1,687	41,126	237	118,617
Manufacturing	31-33	16,462	109,221	8,619	643	4,451	1,963	2,261	6,685	984	22,326	147	77,605
Food	311	969	1,818	514	10	334	145	99	309	19	667	3	687
Beverage and tobacco products	312	12	152	1	0	2	2	3	15	5	135	0	0
Textiles, apparel, and leather	313-16	514	255	411	31	64	32	33	113	6	80	0	0
Wood products	321	177	181	62	5	104	58	7	16	4	103	0	0
Paper, printing and support activities	322, 323	495	2,664	221	17	200	47	57	97	15	417	3	2,086
Petroleum and coal products	324	27	1,057	0	0	14	6	6	13	3	85	3	952
Chemicals	325	1,773	17,713	693	49	460	201	506	1,300	89	2,931	25	13,232
Basic chemicals	3251	419	1,835	11	0	236	69	139	314	30	1,070	3	381
Resin, synthetic rubber, fibers, and filament	3252	66	2,745	0	0	0	0	48	170	14	361	4	2,214
Pharmaceuticals and medicines	3254	347	10,137	100	2	49	21	163	492	22	700	13	8,921
Other chemicals	325 minus (3251-52, 3254)	941	2,996	582	46	175	111	156	324	23	800	5	1,716
Plastics and rubber products	326	811	2,245	537	39	157	74	83	268	25	560	9	1,304
Nonmetallic mineral products	327	464	978	266	(D)	136	44	27	63	35	738	1	(D)
Primary metals	331	427	479	253	(D)	131	33	33	103	9	159	1	(D)
Fabricated metal products	332	1,392	1,545	974	(D)	295	129	104	290	18	528	1	(D)
Machinery	333	2,489	6,337	1,544	126	614	232	247	727	73	1,864	11	3,387
Computer and electronic products	334	3,080	41,232	905	83	1,059	509	596	1,624	465	9,572	55	29,443
Computers and peripheral equipment	3341	237	3,165	13	1	152	71	25	116	42	973	5	2,004
Communications equipment	3342	579	15,209	141	19	107	62	115	365	204	3,807	13	10,956
Semiconductor and other electronic components	3344	735	14,210	247	15	147	58	222	456	96	2,392	23	11,289
Navigational, measuring, electromedical, and control instruments	3345	1,390	7,565	496	(D)	597	284	218	626	65	1,518	14	(D)
Other computer and electronic products	334 minus (3341-42, 3344-45)	139	1,083	8	(D)	57	34	16	61	57	883	1	(D)
Electrical equipment, appliances, and components	335	1,012	4,680	434	24	338	159	99	538	136	1,917	5	2,042 (S)
Transportation equipment	336	1,015	21,004	697	61	101	43	159	558	39	1,441	19	18,901
Motor vehicles, trailers, and parts	3361-63	648	16,089	400	(D)	100	(D)	114	425	25	909	10	14,664
Aerospace products and parts	3364	115	4,083	98	(D)	0	(D)	3	21 (S)	8	311	6	3,739
Other transportation equipment	336 minus (3361-64)	252	832 (S)	200	(D)	1	(D)	42	112	6	221 (S)	3	499 (S)

See explanatory information and SOURCE at end of table.

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Industry and size of company	NAICS codes	Total number of companies	Total amount [In 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 [In millions of dollars]	Number of companies	Amount [In millions of dollars]	Number of companies	Amount [In millions of dollars]	Number of companies	Amount [In millions of dollars]	Number of companies	Amount [In millions of dollars]
Distribution by industry:													
Furniture and related products	337	324	301	220	14	65	33	33	75	7	180	0	0
Miscellaneous manufacturing	339	1,480	6,581	887	53	378	216	168	577	37	949	10	4,786
Medical equipment and supplies	3391	637	5,903	291	(D)	202	134	109	436	26	640	9	(D)
Other miscellaneous manufacturing	339 minus (3391)	843	678	596	(D)	176	81	59	140	11	309	1	(D)
Other manufacturing	31-33 minus (311-16, 321-27, 331-37, 339)	--	--	--	--	--	--	--	--	--	--	--	--
Nonmanufacturing	21-23, 42, 44-81	15,988	72,384	9,136	476	2,980	1,369	3,080	10,728	702	18,801	90	41,011
Mining, extraction, and support activities	21	68	846	50	4	0	0	11	55	4	114	3	673
Utilities	22	85	114	53	1	11	(D)	20	94	1	(D)	0	0
Construction	23	399	320	276	9	57	27	60	93	6	191	0	0
Trade	42, 44, 45	4,485	24,284	3,617	167	551	201	229	841	60	2,072	28	21,003
Transportation and warehousing	48, 49	361	1,776	100	3	1	(D)	257	1,406	1	(D)	2	(D)
Information	51	1,849	17,259	699	27	383	243	605	1,824	138	4,005	24	11,161
Publishing	511	1,278	13,716	449	26	282	180	418	1,305	110	3,133	19	9,072
Newspaper, periodical, book, and database	5111	152	649	50	1	50	24	46	96	4	154 (S)	3	375
Software	5112	1,126	13,067	399	25	232	156	372	1,210	106	2,980	16	8,697
Broadcasting and telecommunications	513	361	1,270	250	1	0	0	98	228	11	(D)	2	(D)
Radio and television broadcasting	5131	51	(D)	0	0	0	0	49	131	1	(D)	0	0
Telecommunications	5133	310	1,101	250	1	0	0	49	98	9	(D)	2	(D)
Other broadcasting and telecommunications	513 minus (5131, 5133)	1	(D)	0	0	0	0	0	0	1	(D)	0	0
Other information	51 minus (511, 513)	209	2,273	0	0	101	63	88	290	17	(D)	3	(D)
Finance, insurance, and real estate	52, 53	337	2,424	250	10	6	4	40	160	34	1,189	6	1,062
Professional, scientific, and technical services	54	5,686	22,640	2,278	173	1,503	700	1,442	4,663	438	10,674	25	6,430
Architectural, engineering, and related services	5413	918	2,365	337	22	290	99	234	508	53	955	4	780
Computer systems design and related services	5415	2,476	8,656	1,110	82	459	236	740	2,443	159	3,322	8	2,567 (S)
Scientific R&D services	5417	1,532	10,893	577	59	372	202	352	1,460	218	6,090	13	3,082
Other professional, scientific, and technical services	54 minus (5413, 5415, 5417)	761	726	255	10	381	163	117	247	8	307	0	0

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Distribution by industry:													
Management of companies and enterprises	55	375	381	256	8	3	1	113	271	3	101	0	0
Health care services	621-23	1,294	1,120	808	(D)	356	163	126	645	3	49	1	(D)
Other nonmanufacturing	56, 61, 624, 71, 72, 81	1,048	1,221	748	(D)	109	25	176	675	14	372	1	(D)
Distribution by size of company: [Number of employees]													
Total		32,450	181,606	17,755	1,119	7,432	3,332	5,340	17,413	1,687	41,126	237	118,617
5 to 24		14,165	4,175	10,742	616	2,489	1,006	934	2,553	0	0	0	0
25 to 49		4,918	3,548	2,496	144	1,586	708	819	2,365	17	332	0	0
50 to 99		4,950	7,654	2,257	166	1,375	694	1,052	3,069	266	3,724	0	0
100 to 249		4,179	12,012	1,519	133	1,157	512	1,091	4,221	412	7,146	0	0
250 to 499		1,493	8,143	408	30	424	200	426	1,370	226	5,402	9	1,141
500 to 999		1,188	9,936	237	24	239	119	485	1,595	218	6,533	10	1,665
1,000 to 4,999		1,038	26,140	60	(D)	131	(D)	435	1,761	344	10,307	69	13,991
5,000 to 9,999		244	15,836	33	1	15	8	58	282	97	3,287	41	12,257
10,000 to 24,999		155	26,161	1	(D)	11	(D)	25	114	71	2,639	47	23,402
25,000 or more		118	68,001	2	0	5	3	16	82	35	1,756	61	66,160

KEY: (D) = Data have been withheld to avoid disclosing operations of individual companies.
(S) = Indicates imputation of more than 50 percent.
(-) = Indicates data not collected.

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 D.C. (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations).

Starting in 1999, the frame from which the statistical samples were selected was divided into two partitions based on total company employment. In the manufacturing sector, companies with employment of 50 or more were included in the large company partition. In the nonmanufacturing sector, companies with employment of 15 or more were included in the large company partition. Companies in the respective sectors with employment below these values, but with at least 5 employees, were included in the small company partition. The purpose of partitioning the sample this way was to reduce the variability in industry estimates largely attributed to the random year-to-year selection of small companies by industry and the high sampling weights that sometimes were assigned to them. Because of this, in prior reports detailed industry statistics were published only from the large company partition; detailed industry statistics from the small company partition were not. Statistics from the small company partition were included in the manufacturing, nonmanufacturing, and all industries totals, but were aggregated into "small manufacturing" and "small nonmanufacturing" classifications instead of being included in their respective industry classifications. For this report, this practice was evaluated and discontinued because it was determined that the data for small companies are more useful if they are included in their respective industries even given the sampling concerns described above. Consequently, the "small manufacturing" and "small nonmanufacturing" stublines are no longer present. Statistics for the firms in the small company classifications are not shown separately in this table, but are included in the manufacturing, nonmanufacturing, and all industries totals. For more information, see the technical notes in Survey of Industrial Research and Development Methodology: 2001 at <http://www.nsf.gov/sbe/srs/sird/start.htm>.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2001