

Scientific Research and Development Services: 2002

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2002 Economic Census

Professional, Scientific, and Technical Services

Industry Series



USCENSUSBUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Summary Statistics for the United States: 2002

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	Tax status and kind of business	Estab-lishments (number)	Receipts/ revenue (\$1,000)	Expenses (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts/ revenue—	
								From admini-strative records ¹	Estimated ²
ALL ESTABLISHMENTS									
5417	Scientific research and development services	15 218	63 071 983	N	41 890 026	10 818 867	602 071	5.4	16.1
54171	Research and development in the physical, engineering, and life sciences	13 033	59 489 940	N	38 110 812	9 819 148	539 825	5.0	16.3
541710	Research and development in the physical, engineering, and life sciences	13 033	59 489 940	N	38 110 812	9 819 148	539 825	5.0	16.3
54172	Research and development in the social sciences and humanities	2 185	3 582 043	N	3 779 214	999 719	62 246	11.4	11.6
541720	Research and development in the social sciences and humanities	2 185	3 582 043	N	3 779 214	999 719	62 246	11.4	11.6
ESTABLISHMENTS EXEMPT FROM FEDERAL INCOME TAX									
5417	Scientific research and development services	3 008	18 043 427	16 604 087	6 994 118	1 691 054	135 295	5.0	11.7
54171	Research and development in the physical, engineering, and life sciences	2 063	15 935 299	14 646 051	6 197 299	1 501 449	118 107	4.4	11.7
541710	Research and development in the physical, engineering, and life sciences	2 063	15 935 299	14 646 051	6 197 299	1 501 449	118 107	4.4	11.7
54172	Research and development in the social sciences and humanities	945	2 108 128	1 958 036	796 819	189 605	17 188	9.9	11.8
541720	Research and development in the social sciences and humanities	945	2 108 128	1 958 036	796 819	189 605	17 188	9.9	11.8
ESTABLISHMENTS SUBJECT TO FEDERAL INCOME TAX									
5417	Scientific research and development services	12 210	45 028 556	N	34 895 908	9 127 813	466 776	5.5	17.8
54171	Research and development in the physical, engineering, and life sciences	10 970	43 554 641	N	31 913 513	8 317 699	421 718	5.2	18.0
541710	Research and development in the physical, engineering, and life sciences	10 970	43 554 641	N	31 913 513	8 317 699	421 718	5.2	18.0
54172	Research and development in the social sciences and humanities	1 240	1 473 915	N	2 982 395	810 114	45 058	13.6	11.3
541720	Research and development in the social sciences and humanities	1 240	1 473 915	N	2 982 395	810 114	45 058	13.6	11.3

¹Includes receipts/revenue information obtained from administrative records of other federal agencies.

²Includes receipts/revenue information that was imputed based on historic data, administrative data, industry averages, or other statistical methods.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 2. Comparative Statistics for the United States (1997 NAICS Basis): 2002 and 1997

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 and 1997 Economic Censuses. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census.]

1997 NAICS code	Tax status and kind of business	Establishments (number)	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
ALL ESTABLISHMENTS					
5417	Scientific research and development services	2002.. 15 218 1997.. 11 122	63 071 983 37 290 010	41 890 026 N	602 071 N
54171	Research and development in the physical, engineering, and life sciences	2002.. 13 033 1997.. 9 173	59 489 940 34 145 927	38 110 812 N	539 825 N
541710	Research and development in the physical, engineering, and life sciences	2002.. 13 033 1997.. 9 173	59 489 940 34 145 927	38 110 812 N	539 825 N
54172	Research and development in the social sciences and humanities	2002.. 2 185 1997.. 1 949	3 582 043 3 144 083	3 779 214 N	62 246 N
541720	Research and development in the social sciences and humanities	2002.. 2 185 1997.. 1 949	3 582 043 3 144 083	3 779 214 N	62 246 N
ESTABLISHMENTS EXEMPT FROM FEDERAL INCOME TAX					
5417	Scientific research and development services	2002.. 3 008 1997.. 3 292	18 043 427 14 211 703	6 994 118 5 226 070	135 295 125 149
54171	Research and development in the physical, engineering, and life sciences	2002.. 2 063 1997.. 2 318	15 935 299 12 324 171	6 197 299 4 593 475	118 107 107 812
541710	Research and development in the physical, engineering, and life sciences	2002.. 2 063 1997.. 2 318	15 935 299 12 324 171	6 197 299 4 593 475	118 107 107 812
54172	Research and development in the social sciences and humanities	2002.. 945 1997.. 974	2 108 128 1 887 532	796 819 632 595	17 188 17 337
541720	Research and development in the social sciences and humanities	2002.. 945 1997.. 974	2 108 128 1 887 532	796 819 632 595	17 188 17 337
ESTABLISHMENTS SUBJECT TO FEDERAL INCOME TAX					
5417	Scientific research and development services	2002.. 12 210 1997.. 7 830	45 028 556 23 078 307	34 895 908 N	466 776 N
54171	Research and development in the physical, engineering, and life sciences	2002.. 10 970 1997.. 6 855	43 554 641 21 821 756	31 913 513 N	421 718 N
541710	Research and development in the physical, engineering, and life sciences	2002.. 10 970 1997.. 6 855	43 554 641 21 821 756	31 913 513 N	421 718 N
54172	Research and development in the social sciences and humanities	2002.. 1 240 1997.. 975	1 473 915 1 256 551	2 982 395 N	45 058 N
541720	Research and development in the social sciences and humanities	2002.. 1 240 1997.. 975	1 473 915 1 256 551	2 982 395 N	45 058 N

Note: The data in this table are based on the 2002 and 1997 Economic Censuses. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 3. Product Lines by Kind of Business for the United States: 2002

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Tax status, kind of business, and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)	
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—			
						Establishments with the product line	All establishments ¹		
		ALL ESTABLISHMENTS							
5417		Scientific research and development services	15 218	X	63 071 983	X	100.0	65.8	
	36030	Management consulting services	1 614		9 331 676	866 343	9.3	1.4	X
	36100	Research and development in the physical and engineering sciences	6 513		31 581 643	27 273 545	86.4	43.2	51.0
	36101	Chemistry and chemical engineering	924		7 047 249	1 440 024	20.4	2.3	X
	36102	Computer science and electrical engineering	3 244		21 428 745	11 035 473	51.5	17.5	X
	36103	Civil engineering	52		1 766 614	256 200	14.5	.4	X
	36104	Earth and environmental sciences	2 525		18 531 923	2 179 331	11.8	3.5	X
	36105	Other physical and engineering sciences	4 313		26 373 150	12 242 898	46.4	19.4	X
	36150	Research and development in the life sciences	6 804		36 460 592	21 530 830	59.1	34.1	56.4
	36151	Biotechnology and other biological sciences	2 417		16 100 039	10 332 533	64.2	16.4	X
	36152	Medical sciences	3 614		21 584 191	9 566 197	44.3	15.2	X
	36153	Agriculture, forestry, fisheries, and allied sciences	665		2 629 624	304 265	11.6	.5	X
	36154	Other life sciences	394		2 666 844	1 327 835	49.8	2.1	X
	36200	Research and development activities in the social sciences	3 092		12 123 428	2 639 649	21.8	4.2	64.1
	36201	Economics	1 918		9 235 435	306 385	3.3	.5	X
	36202	Psychology	100		334 478	44 283	13.2	.1	X
	36203	Education	1 836		9 873 773	459 697	4.7	.7	X
	36204	Other social sciences and humanities	2 285		11 131 467	1 754 891	15.8	2.8	X
	36250	Market research and public opinion polling services	22		18 208	1 788	9.8	Z	50.9
	36252	Public opinion polling services	22		18 208	1 788	9.8	Z	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	455		3 917 536	369 572	9.4	.6	64.1
	36301	Chemical analysis and testing	99		1 929 840	45 494	2.4	.1	X
	36302	Nondestructive testing	27		844 915	46 626	5.5	.1	X
	36303	Mechanical testing	42		2 420 393	48 038	2.0	.1	X
	36304	Geotechnical/geosciences testing	13		47 922	5 537	11.6	Z	X
	36305	Electrical testing	6		2 918	1 668	57.2	Z	X
	36306	Biological testing	218		334 508	39 560	11.8	.1	X
	36308	Acoustic, optical, and thermal testing	8		73 324	48 461	66.1	.1	X
	36309	Other testing services, excluding medical and veterinary	62		678 366	130 571	19.2	.2	X
	36920	Engineering services, not specified by type	175		635 345	212 179	33.4	.3	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	24		711 922	14 949	2.1	Z	X
	39000	Merchandise sales	2 285		12 057 271	1 133 230	9.4	1.8	61.3
	39052	Sales of merchandise, not specified by type	2 281		12 017 731	1 121 429	9.3	1.8	X
	39500	All other receipts	1 115		7 893 569	1 495 108	18.9	2.4	58.7
	39547	All other operating receipts	1 108		7 829 006	1 461 844	18.7	2.3	X
	39700	Contributions, gifts, and grants: Government	1 104		7 892 689	4 549 232	57.6	7.2	X
	39710	Contributions, gifts, and grants: Private	1 471		7 741 419	2 234 155	28.9	3.5	X
	39720	Investment income, including interest and dividends	1 245		9 017 580	296 614	3.3	.5	X
	39900	All other revenue	674		5 815 227	503 520	8.7	.8	63.4
	39914	All other revenue	674		5 815 227	503 520	8.7	.8	X
54171		Research and development in the physical, engineering, and life sciences ..	13 033	X	59 489 940	X	100.0	65.5	
	36030	Management consulting services	1 614		9 331 676	866 343	9.3	1.5	X
	36100	Research and development in the physical and engineering sciences	6 513		31 581 643	27 273 545	86.4	45.8	50.8
	36101	Chemistry and chemical engineering	924		7 047 249	1 440 024	20.4	2.4	X
	36102	Computer science and electrical engineering	3 244		21 428 745	11 035 473	51.5	18.6	X
	36103	Civil engineering	52		1 766 614	256 200	14.5	.4	X
	36104	Earth and environmental sciences	2 525		18 531 923	2 179 331	11.8	3.7	X
	36105	Other physical and engineering sciences	4 313		26 373 150	12 242 898	46.4	20.6	X
	36150	Research and development in the life sciences	6 804		36 460 592	21 530 830	59.1	36.2	56.2
	36151	Biotechnology and other biological sciences	2 417		16 100 039	10 332 533	64.2	17.4	X
	36152	Medical sciences	3 614		21 584 191	9 566 197	44.3	16.1	X
	36153	Agriculture, forestry, fisheries, and allied sciences	665		2 629 624	304 265	11.6	.5	X
	36154	Other life sciences	394		2 666 844	1 327 835	49.8	2.2	X
	36200	Research and development activities in the social sciences	1 635		9 681 629	352 692	3.6	.6	65.5
	36201	Economics	1 519		8 965 709	61 286	.7	.1	X
	36202	Psychology	16		287 721	3 602	1.3	Z	X
	36203	Education	1 557		9 469 064	129 142	1.4	.2	X
	36204	Other social sciences and humanities	1 542		9 427 187	158 662	1.7	.3	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	455		3 917 536	369 572	9.4	.6	63.8
	36301	Chemical analysis and testing	99		1 929 840	45 494	2.4	.1	X
	36302	Nondestructive testing	27		844 915	46 626	5.5	.1	X
	36303	Mechanical testing	42		2 420 393	48 038	2.0	.1	X
	36304	Geotechnical/geosciences testing	13		47 922	5 537	11.6	Z	X
	36305	Electrical testing	6		2 918	1 668	57.2	Z	X
	36306	Biological testing	218		334 508	39 560	11.8	.1	X
	36308	Acoustic, optical, and thermal testing	8		73 324	48 461	66.1	.1	X
	36309	Other testing services, excluding medical and veterinary	62		678 366	130 571	19.2	.2	X
	36920	Engineering services, not specified by type	175		635 345	212 179	33.4	.4	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	24		711 922	14 949	2.1	Z	X
	39000	Merchandise sales	2 196		11 891 635	1 104 433	9.3	1.9	61.0
	39052	Sales of merchandise, not specified by type	2 192		11 852 095	1 092 632	9.2	1.8	X
	39500	All other receipts	983		7 680 335	1 449 905	18.9	2.4	58.5
	39547	All other operating receipts	979		7 640 795	1 429 153	18.7	2.4	X
	39700	Contributions, gifts, and grants: Government	752		6 924 173	4 093 539	59.1	6.9	X
	39710	Contributions, gifts, and grants: Private	894		6 427 296	1 589 258	24.7	2.7	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Tax status, kind of business, and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
		ALL ESTABLISHMENTS—Con.						
54171		Research and development in the physical, engineering, and life sciences—Con.						
	39720	Investment income, including interest and dividends	784	7 831 083	233 834	3.0	.4	X
	39900	All other revenue	409	4 997 505	409 519	8.2	.7	63.3
	39914	All other revenue	409	4 997 505	409 519	8.2	.7	X
541710		Research and development in the physical, engineering, and life sciences . .	13 033	X	59 489 940	X	100.0	65.5
	36030	Management consulting services	1 614	9 331 676	866 343	9.3	1.5	X
	36100	Research and development in the physical and engineering sciences	6 513	31 581 643	27 273 545	86.4	45.8	50.8
	36101	Chemistry and chemical engineering	924	7 047 249	1 440 024	20.4	2.4	X
	36102	Computer science and electrical engineering	3 244	21 428 745	11 035 473	51.5	18.6	X
	36103	Civil engineering	52	1 766 614	256 200	14.5	.4	X
	36104	Earth and environmental sciences	2 525	18 531 923	2 179 331	11.8	3.7	X
	36105	Other physical and engineering sciences	4 313	26 373 150	12 242 898	46.4	20.6	X
	36150	Research and development in the life sciences	6 804	36 460 592	21 530 830	59.1	36.2	56.2
	36151	Biotechnology and other biological sciences	2 417	16 100 039	10 332 533	64.2	17.4	X
	36152	Medical sciences	3 614	21 584 191	9 566 197	44.3	16.1	X
	36153	Agriculture, forestry, fisheries, and allied sciences	665	2 629 624	304 265	11.6	.5	X
	36154	Other life sciences	394	2 666 844	1 327 835	49.8	2.2	X
	36200	Research and development activities in the social sciences	1 635	9 681 629	352 692	3.6	.6	65.5
	36201	Economics	1 519	8 965 709	61 286	.7	.1	X
	36202	Psychology	16	287 721	3 602	1.3	Z	X
	36203	Education	1 557	9 469 064	129 142	1.4	.2	X
	36204	Other social sciences and humanities	1 542	9 427 187	158 662	1.7	.3	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	455	3 917 536	369 572	9.4	.6	63.8
	36301	Chemical analysis and testing	99	1 929 840	45 494	2.4	.1	X
	36302	Nondestructive testing	27	844 915	46 626	5.5	.1	X
	36303	Mechanical testing	42	2 420 393	48 038	2.0	.1	X
	36304	Geotechnical/geosciences testing	13	47 922	5 537	11.6	Z	X
	36305	Electrical testing	6	2 918	1 668	57.2	Z	X
	36306	Biological testing	218	334 508	39 560	11.8	.1	X
	36308	Acoustic, optical, and thermal testing	8	73 324	48 461	66.1	.1	X
	36309	Other testing services, excluding medical and veterinary	62	678 366	130 571	19.2	.2	X
	36920	Engineering services, not specified by type	175	635 345	212 179	33.4	.4	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	24	711 922	14 949	2.1	Z	X
	39000	Merchandise sales	2 196	11 891 635	1 104 433	9.3	1.9	61.0
	39052	Sales of merchandise, not specified by type	2 192	11 852 095	1 092 632	9.2	1.8	X
	39500	All other receipts	983	7 680 335	1 449 905	18.9	2.4	58.5
	39547	All other operating receipts	979	7 640 795	1 429 153	18.7	2.4	X
	39700	Contributions, gifts, and grants: Government	752	6 924 173	4 093 539	59.1	6.9	X
	39710	Contributions, gifts, and grants: Private	894	6 427 296	1 589 258	24.7	2.7	X
	39720	Investment income, including interest and dividends	784	7 831 083	233 834	3.0	.4	X
	39900	All other revenue	409	4 997 505	409 519	8.2	.7	63.3
	39914	All other revenue	409	4 997 505	409 519	8.2	.7	X
54172		Research and development in the social sciences and humanities	2 185	X	3 582 043	X	100.0	70.1
	36200	Research and development activities in the social sciences	1 457	2 441 799	2 286 957	93.7	63.8	62.0
	36201	Economics	399	269 726	245 099	90.9	6.8	X
	36202	Psychology	84	46 757	40 681	87.0	1.1	X
	36203	Education	279	404 709	330 555	81.7	9.2	X
	36204	Other social sciences and humanities	743	1 704 280	1 596 229	93.7	44.6	X
	36250	Market research and public opinion polling services	22	18 208	1 788	9.8	.1	54.2
	36252	Public opinion polling services	22	18 208	1 788	9.8	.1	X
	39000	Merchandise sales	89	165 636	28 797	17.4	.8	67.3
	39052	Sales of merchandise, not specified by type	89	165 636	28 797	17.4	.8	X
	39500	All other receipts	132	213 234	45 203	21.2	1.3	63.6
	39547	All other operating receipts	129	188 211	32 691	17.4	.9	X
	39700	Contributions, gifts, and grants: Government	352	968 516	455 693	47.1	12.7	X
	39710	Contributions, gifts, and grants: Private	577	1 314 123	644 897	49.1	18.0	X
	39720	Investment income, including interest and dividends	461	1 186 497	62 780	5.3	1.8	X
	39900	All other revenue	265	817 722	94 001	11.5	2.6	66.5
	39914	All other revenue	265	817 722	94 001	11.5	2.6	X
541720		Research and development in the social sciences and humanities	2 185	X	3 582 043	X	100.0	70.1
	36200	Research and development activities in the social sciences	1 457	2 441 799	2 286 957	93.7	63.8	62.0
	36201	Economics	399	269 726	245 099	90.9	6.8	X
	36202	Psychology	84	46 757	40 681	87.0	1.1	X
	36203	Education	279	404 709	330 555	81.7	9.2	X
	36204	Other social sciences and humanities	743	1 704 280	1 596 229	93.7	44.6	X
	36250	Market research and public opinion polling services	22	18 208	1 788	9.8	.1	54.2
	36252	Public opinion polling services	22	18 208	1 788	9.8	.1	X
	39000	Merchandise sales	89	165 636	28 797	17.4	.8	67.3
	39052	Sales of merchandise, not specified by type	89	165 636	28 797	17.4	.8	X
	39500	All other receipts	132	213 234	45 203	21.2	1.3	63.6
	39547	All other operating receipts	129	188 211	32 691	17.4	.9	X
	39700	Contributions, gifts, and grants: Government	352	968 516	455 693	47.1	12.7	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census.]

2002 NAICS code	2002 Product line code	Tax status, kind of business, and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
		ALL ESTABLISHMENTS—Con.						
541720		Research and development in the social sciences and humanities—Con.						
	39710	Contributions, gifts, and grants: Private	577	1 314 123	644 897	49.1	18.0	X
	39720	Investment income, including interest and dividends	461	1 186 497	62 780	5.3	1.8	X
	39900	All other revenue	265	817 722	94 001	11.5	2.6	66.5
	39914	All other revenue	265	817 722	94 001	11.5	2.6	X
		ESTABLISHMENTS EXEMPT FROM FEDERAL INCOME TAX						
5417		Scientific research and development services	3 008	X	18 043 427	X	100.0	80.3
	36030	Management consulting services	14	163 619	27 532	16.8	.2	X
	36100	Research and development in the physical and engineering sciences	534	7 181 114	6 268 831	87.3	34.7	60.6
	36101	Chemistry and chemical engineering	134	2 827 636	292 859	10.4	1.6	X
	36102	Computer science and electrical engineering	160	4 207 044	737 004	17.5	4.1	X
	36103	Civil engineering	21	1 144 209	22 417	2.0	.1	X
	36104	Earth and environmental sciences	151	2 933 668	561 929	19.2	3.1	X
	36105	Other physical and engineering sciences	415	6 147 133	4 654 622	75.7	25.8	X
	36150	Research and development in the life sciences	671	5 583 192	2 896 774	51.9	16.1	65.4
	36151	Biotechnology and other biological sciences	160	2 715 279	470 144	17.3	2.6	X
	36152	Medical sciences	288	2 965 397	2 169 849	73.2	12.0	X
	36153	Agriculture, forestry, fisheries, and allied sciences	223	419 035	121 811	29.1	.7	X
	36154	Other life sciences	65	1 370 735	134 970	9.8	.7	X
	36200	Research and development activities in the social sciences	446	1 683 580	926 862	55.1	5.1	77.2
	36201	Economics	40	108 013	31 454	29.1	.2	X
	36202	Psychology	31	215 423	15 034	7.0	.1	X
	36203	Education	215	1 022 647	341 441	33.4	1.9	X
	36204	Other social sciences and humanities	212	1 171 534	538 933	46.0	3.0	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	72	1 180 246	126 261	10.7	.7	79.7
	36301	Chemical analysis and testing	8	14 815	3 213	21.7	Z	X
	36306	Biological testing	11	114 103	6 614	5.8	Z	X
	36309	Other testing services, excluding medical and veterinary	47	414 021	107 726	26.0	.6	X
	36920	Engineering services, not specified by type	8	64 132	1 808	2.8	Z	X
	39000	Merchandise sales	176	540 636	69 496	12.9	.4	63.2
	39052	Sales of merchandise, not specified by type	176	540 636	69 496	12.9	.4	X
	39500	All other receipts	236	2 229 392	177 818	8.0	1.0	79.8
	39547	All other operating receipts	236	2 229 392	177 818	8.0	1.0	X
	39700	Contributions, gifts, and grants: Government	1 104	7 892 689	4 549 232	57.6	25.2	X
	39710	Contributions, gifts, and grants: Private	1 471	7 741 419	2 234 155	28.9	12.4	X
	39720	Investment income, including interest and dividends	1 245	9 017 580	296 614	3.3	1.6	X
	39900	All other revenue	674	5 815 227	503 520	8.7	2.8	77.3
	39914	All other revenue	674	5 815 227	503 520	8.7	2.8	X
54171		Research and development in the physical, engineering, and life sciences ..	2 063	X	15 935 299	X	100.0	80.8
	36030	Management consulting services	14	163 619	27 532	16.8	.2	X
	36100	Research and development in the physical and engineering sciences	534	7 181 114	6 268 831	87.3	39.3	61.0
	36101	Chemistry and chemical engineering	134	2 827 636	292 859	10.4	1.8	X
	36102	Computer science and electrical engineering	160	4 207 044	737 004	17.5	4.6	X
	36103	Civil engineering	21	1 144 209	22 417	2.0	.1	X
	36104	Earth and environmental sciences	151	2 933 668	561 929	19.2	3.5	X
	36105	Other physical and engineering sciences	415	6 147 133	4 654 622	75.7	29.2	X
	36150	Research and development in the life sciences	671	5 583 192	2 896 774	51.9	18.2	65.9
	36151	Biotechnology and other biological sciences	160	2 715 279	470 144	17.3	3.0	X
	36152	Medical sciences	288	2 965 397	2 169 849	73.2	13.6	X
	36153	Agriculture, forestry, fisheries, and allied sciences	223	419 035	121 811	29.1	.8	X
	36154	Other life sciences	65	1 370 735	134 970	9.8	.8	X
	36200	Research and development activities in the social sciences	78	715 696	95 247	13.3	.6	80.1
	36203	Education	71	694 196	74 645	10.8	.5	X
	36204	Other social sciences and humanities	23	550 259	17 466	3.2	.1	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	72	1 180 246	126 261	10.7	.8	80.3
	36301	Chemical analysis and testing	8	14 815	3 213	21.7	Z	X
	36306	Biological testing	11	114 103	6 614	5.8	Z	X
	36309	Other testing services, excluding medical and veterinary	47	414 021	107 726	26.0	.7	X
	36920	Engineering services, not specified by type	8	64 132	1 808	2.8	Z	X
	39000	Merchandise sales	87	375 000	40 699	10.9	.3	57.4
	39052	Sales of merchandise, not specified by type	87	375 000	40 699	10.9	.3	X
	39500	All other receipts	156	2 064 705	149 801	7.3	.9	80.7
	39547	All other operating receipts	156	2 064 705	149 801	7.3	.9	X
	39700	Contributions, gifts, and grants: Government	752	6 924 173	4 093 539	59.1	25.7	X
	39710	Contributions, gifts, and grants: Private	894	6 427 296	1 589 258	24.7	10.0	X
	39720	Investment income, including interest and dividends	784	7 831 083	233 834	3.0	1.5	X
	39900	All other revenue	409	4 997 505	409 519	8.2	2.6	78.0
	39914	All other revenue	409	4 997 505	409 519	8.2	2.6	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Tax status, kind of business, and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
		ESTABLISHMENTS EXEMPT FROM FEDERAL INCOME TAX—Con.						
541710		Research and development in the physical, engineering, and life sciences . . .	2 063	X	15 935 299	X	100.0	80.8
	36030	Management consulting services	14	163 619	27 532	16.8	.2	X
	36100	Research and development in the physical and engineering sciences	534	7 181 114	6 268 831	87.3	39.3	61.0
	36101	Chemistry and chemical engineering	134	2 827 636	292 859	10.4	1.8	X
	36102	Computer science and electrical engineering	160	4 207 044	737 004	17.5	4.6	X
	36103	Civil engineering	21	1 144 209	22 417	2.0	.1	X
	36104	Earth and environmental sciences	151	2 933 668	561 929	19.2	3.5	X
	36105	Other physical and engineering sciences	415	6 147 133	4 654 622	75.7	29.2	X
	36150	Research and development in the life sciences	671	5 583 192	2 896 774	51.9	18.2	65.9
	36151	Biotechnology and other biological sciences	160	2 715 279	470 144	17.3	3.0	X
	36152	Medical sciences	288	2 965 397	2 169 849	73.2	13.6	X
	36153	Agriculture, forestry, fisheries, and allied sciences	223	419 035	121 811	29.1	.8	X
	36154	Other life sciences	65	1 370 735	134 970	9.8	.8	X
	36200	Research and development activities in the social sciences	78	715 696	95 247	13.3	.6	80.1
	36203	Education	71	694 196	74 645	10.8	.5	X
	36204	Other social sciences and humanities	23	550 259	17 466	3.2	.1	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	72	1 180 246	126 261	10.7	.8	80.3
	36301	Chemical analysis and testing	8	14 815	3 213	21.7	Z	X
	36306	Biological testing	11	114 103	6 614	5.8	Z	X
	36309	Other testing services, excluding medical and veterinary	47	414 021	107 726	26.0	.7	X
	36920	Engineering services, not specified by type	8	64 132	1 808	2.8	Z	X
	39000	Merchandise sales	87	375 000	40 699	10.9	.3	57.4
	39052	Sales of merchandise, not specified by type	87	375 000	40 699	10.9	.3	X
	39500	All other receipts	156	2 064 705	149 801	7.3	.9	80.7
	39547	All other operating receipts	156	2 064 705	149 801	7.3	.9	X
	39700	Contributions, gifts, and grants: Government	752	6 924 173	4 093 539	59.1	25.7	X
	39710	Contributions, gifts, and grants: Private	894	6 427 296	1 589 258	24.7	10.0	X
	39720	Investment income, including interest and dividends	784	7 831 083	233 834	3.0	1.5	X
	39900	All other revenue	409	4 997 505	409 519	8.2	2.6	78.0
	39914	All other revenue	409	4 997 505	409 519	8.2	2.6	X
54172		Research and development in the social sciences and humanities	945	X	2 108 128	X	100.0	76.2
	36200	Research and development activities in the social sciences	368	967 884	831 615	85.9	39.4	71.4
	36201	Economics	35	55 169	31 368	56.9	1.5	X
	36202	Psychology	26	15 438	11 984	77.6	.6	X
	36203	Education	144	328 451	266 796	81.2	12.7	X
	36204	Other social sciences and humanities	189	621 275	521 467	83.9	24.7	X
	39000	Merchandise sales	89	165 636	28 797	17.4	1.4	73.2
	39052	Sales of merchandise, not specified by type	89	165 636	28 797	17.4	1.4	X
	39500	All other receipts	80	164 687	28 017	17.0	1.3	70.4
	39547	All other operating receipts	80	164 687	28 017	17.0	1.3	X
	39700	Contributions, gifts, and grants: Government	352	968 516	455 693	47.1	21.6	X
	39710	Contributions, gifts, and grants: Private	577	1 314 123	644 897	49.1	30.6	X
	39720	Investment income, including interest and dividends	461	1 186 497	62 780	5.3	3.0	X
	39900	All other revenue	265	817 722	94 001	11.5	4.5	72.3
	39914	All other revenue	265	817 722	94 001	11.5	4.5	X
541720		Research and development in the social sciences and humanities	945	X	2 108 128	X	100.0	76.2
	36200	Research and development activities in the social sciences	368	967 884	831 615	85.9	39.4	71.4
	36201	Economics	35	55 169	31 368	56.9	1.5	X
	36202	Psychology	26	15 438	11 984	77.6	.6	X
	36203	Education	144	328 451	266 796	81.2	12.7	X
	36204	Other social sciences and humanities	189	621 275	521 467	83.9	24.7	X
	39000	Merchandise sales	89	165 636	28 797	17.4	1.4	73.2
	39052	Sales of merchandise, not specified by type	89	165 636	28 797	17.4	1.4	X
	39500	All other receipts	80	164 687	28 017	17.0	1.3	70.4
	39547	All other operating receipts	80	164 687	28 017	17.0	1.3	X
	39700	Contributions, gifts, and grants: Government	352	968 516	455 693	47.1	21.6	X
	39710	Contributions, gifts, and grants: Private	577	1 314 123	644 897	49.1	30.6	X
	39720	Investment income, including interest and dividends	461	1 186 497	62 780	5.3	3.0	X
	39900	All other revenue	265	817 722	94 001	11.5	4.5	72.3
	39914	All other revenue	265	817 722	94 001	11.5	4.5	X
		ESTABLISHMENTS SUBJECT TO FEDERAL INCOME TAX						
5417		Scientific research and development services	12 210	X	45 028 556	X	100.0	60.0
	36030	Management consulting services	1 600	9 168 057	838 811	9.1	1.9	X
	36100	Research and development in the physical and engineering sciences	5 979	24 400 529	21 004 714	86.1	46.6	47.0
	36101	Chemistry and chemical engineering	790	4 219 613	1 147 165	27.2	2.5	X
	36102	Computer science and electrical engineering	3 084	17 221 701	10 298 469	59.8	22.9	X
	36103	Civil engineering	31	622 405	233 783	37.6	.5	X
	36104	Earth and environmental sciences	2 374	15 598 255	1 617 402	10.4	3.6	X
	36105	Other physical and engineering sciences	3 898	20 226 017	7 588 276	37.5	16.9	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Tax status, kind of business, and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)	
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—			
						Establishments with the product line	All establishments ¹		
5417		ESTABLISHMENTS SUBJECT TO FEDERAL INCOME TAX—Con.							
		Scientific research and development services—Con.							
	36150	Research and development in the life sciences	6 133	30 877 400	18 634 056	60.3	41.4	52.0	
	36151	Biotechnology and other biological sciences	2 257	13 384 760	9 862 389	73.7	21.9	X	
	36152	Medical sciences	3 326	18 618 794	7 396 348	39.7	16.4	X	
	36153	Agriculture, forestry, fisheries, and allied sciences	442	2 210 589	182 454	8.3	4.4	X	
	36154	Other life sciences	329	1 296 109	1 192 865	92.0	2.6	X	
	36200	Research and development activities in the social sciences	2 646	10 439 848	1 712 787	16.4	3.8	58.6	
	36201	Economics	1 878	9 127 422	274 931	3.0	.6	X	
	36202	Psychology	69	119 055	29 249	24.6	.1	X	
	36203	Education	1 621	8 851 126	118 256	1.3	.3	X	
	36204	Other social sciences and humanities	2 073	9 959 933	1 215 958	12.2	2.7	X	
	36250	Market research and public opinion polling services	18	5 770	1 387	24.0	Z	X	
	36300	Testing services (physical or product), excluding medical and veterinary testing service	383	2 737 290	243 311	8.9	.5	57.7	
	36301	Chemical analysis and testing	91	1 915 025	42 281	2.2	.1	X	
	36302	Nondestructive testing	22	201 182	42 844	21.3	.1	X	
	36303	Mechanical testing	39	1 782 195	44 561	2.5	.1	X	
	36304	Geotechnical/geosciences testing	13	47 922	5 537	11.6	Z	X	
	36306	Biological testing	207	220 405	32 946	14.9	.1	X	
	36308	Acoustic, optical, and thermal testing	8	73 324	48 461	66.1	.1	X	
	36309	Other testing services, excluding medical and veterinary	15	264 345	22 845	8.6	.1	X	
	36920	Engineering services, not specified by type	167	571 213	210 371	36.8	.5	X	
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	19	22 048	1 862	8.4	Z	X	
	39000	Merchandise sales	2 109	11 516 635	1 063 734	9.2	2.4	56.4	
	39052	Sales of merchandise, not specified by type	2 105	11 477 095	1 051 933	9.2	2.3	X	
	39500	All other receipts	879	5 664 177	1 317 290	23.3	2.9	50.3	
	39547	All other operating receipts	872	5 599 614	1 284 026	22.9	2.9	X	
	54171		Research and development in the physical, engineering, and life sciences ..	10 970	X	43 554 641	X	100.0	60.0
		36030	Management consulting services	1 600	9 168 057	838 811	9.1	1.9	X
		36100	Research and development in the physical and engineering sciences	5 979	24 400 529	21 004 714	86.1	48.2	47.0
		36101	Chemistry and chemical engineering	790	4 219 613	1 147 165	27.2	2.6	X
		36102	Computer science and electrical engineering	3 084	17 221 701	10 298 469	59.8	23.6	X
		36103	Civil engineering	31	622 405	233 783	37.6	.5	X
36104		Earth and environmental sciences	2 374	15 598 255	1 617 402	10.4	3.7	X	
36105		Other physical and engineering sciences	3 898	20 226 017	7 588 276	37.5	17.4	X	
36150		Research and development in the life sciences	6 133	30 877 400	18 634 056	60.3	42.8	52.0	
36151		Biotechnology and other biological sciences	2 257	13 384 760	9 862 389	73.7	22.6	X	
36152		Medical sciences	3 326	18 618 794	7 396 348	39.7	17.0	X	
36153		Agriculture, forestry, fisheries, and allied sciences	442	2 210 589	182 454	8.3	4.4	X	
36154		Other life sciences	329	1 296 109	1 192 865	92.0	2.7	X	
36200		Research and development activities in the social sciences	1 557	8 965 933	257 445	2.9	.6	60.0	
36201		Economics	1 514	8 912 865	61 200	.7	.1	X	
36202		Psychology	11	87 736	552	.6	Z	X	
36203		Education	1 486	8 774 868	54 497	.6	.1	X	
36204		Other social sciences and humanities	1 519	8 876 928	141 196	1.6	.3	X	
36300		Testing services (physical or product), excluding medical and veterinary testing service	383	2 737 290	243 311	8.9	.6	57.7	
36301		Chemical analysis and testing	91	1 915 025	42 281	2.2	.1	X	
36302		Nondestructive testing	22	201 182	42 844	21.3	.1	X	
36303		Mechanical testing	39	1 782 195	44 561	2.5	.1	X	
36304		Geotechnical/geosciences testing	13	47 922	5 537	11.6	Z	X	
36306		Biological testing	207	220 405	32 946	14.9	.1	X	
36308		Acoustic, optical, and thermal testing	8	73 324	48 461	66.1	.1	X	
36309		Other testing services, excluding medical and veterinary	15	264 345	22 845	8.6	.1	X	
36920		Engineering services, not specified by type	167	571 213	210 371	36.8	.5	X	
36930		Surveying and mapping services, excluding geophysical surveying, not specified by type	19	22 048	1 862	8.4	Z	X	
39000		Merchandise sales	2 109	11 516 635	1 063 734	9.2	2.4	56.3	
39052		Sales of merchandise, not specified by type	2 105	11 477 095	1 051 933	9.2	2.4	X	
39500		All other receipts	827	5 615 630	1 300 104	23.2	3.0	50.3	
39547		All other operating receipts	823	5 576 090	1 279 352	22.9	2.9	X	
541710			Research and development in the physical, engineering, and life sciences ..	10 970	X	43 554 641	X	100.0	60.0
	36030	Management consulting services	1 600	9 168 057	838 811	9.1	1.9	X	
	36100	Research and development in the physical and engineering sciences	5 979	24 400 529	21 004 714	86.1	48.2	47.0	
	36101	Chemistry and chemical engineering	790	4 219 613	1 147 165	27.2	2.6	X	
	36102	Computer science and electrical engineering	3 084	17 221 701	10 298 469	59.8	23.6	X	
	36103	Civil engineering	31	622 405	233 783	37.6	.5	X	
	36104	Earth and environmental sciences	2 374	15 598 255	1 617 402	10.4	3.7	X	
	36105	Other physical and engineering sciences	3 898	20 226 017	7 588 276	37.5	17.4	X	
	36150	Research and development in the life sciences	6 133	30 877 400	18 634 056	60.3	42.8	52.0	
	36151	Biotechnology and other biological sciences	2 257	13 384 760	9 862 389	73.7	22.6	X	
	36152	Medical sciences	3 326	18 618 794	7 396 348	39.7	17.0	X	
	36153	Agriculture, forestry, fisheries, and allied sciences	442	2 210 589	182 454	8.3	4.4	X	
	36154	Other life sciences	329	1 296 109	1 192 865	92.0	2.7	X	

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Tax status, kind of business, and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
		ESTABLISHMENTS SUBJECT TO FEDERAL INCOME TAX—Con.						
541710		Research and development in the physical, engineering, and life sciences—Con.						
	36200	Research and development activities in the social sciences	1 557	8 965 933	257 445	2.9	.6	60.0
	36201	Economics	1 514	8 912 865	61 200	.7	.1	X
	36202	Psychology	11	87 736	552	.6	Z	X
	36203	Education	1 486	8 774 868	54 497	.6	.1	X
	36204	Other social sciences and humanities	1 519	8 876 928	141 196	1.6	.3	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	383	2 737 290	243 311	8.9	.6	57.7
	36301	Chemical analysis and testing	91	1 915 025	42 281	2.2	.1	X
	36302	Nondestructive testing	22	201 182	42 844	21.3	.1	X
	36303	Mechanical testing	39	1 782 195	44 561	2.5	.1	X
	36304	Geotechnical/geosciences testing	13	47 922	5 537	11.6	Z	X
	36306	Biological testing	207	220 405	32 946	14.9	.1	X
	36308	Acoustic, optical, and thermal testing	8	73 324	48 461	66.1	.1	X
	36309	Other testing services, excluding medical and veterinary	15	264 345	22 845	8.6	.1	X
	36920	Engineering services, not specified by type	167	571 213	210 371	36.8	.5	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	19	22 048	1 862	8.4	Z	X
	39000	Merchandise sales	2 109	11 516 635	1 063 734	9.2	2.4	56.3
	39052	Sales of merchandise, not specified by type	2 105	11 477 095	1 051 933	9.2	2.4	X
	39500	All other receipts	827	5 615 630	1 300 104	23.2	3.0	50.3
	39547	All other operating receipts	823	5 576 090	1 279 352	22.9	2.9	X
54172		Research and development in the social sciences and humanities	1 240	X	1 473 915	X	100.0	61.3
	36200	Research and development activities in the social sciences	1 089	1 473 915	1 455 342	98.7	98.7	51.6
	36201	Economics	364	214 557	213 731	99.6	14.5	X
	36202	Psychology	58	31 319	28 697	91.6	1.9	X
	36203	Education	135	76 258	63 759	83.6	4.3	X
	36204	Other social sciences and humanities	554	1 083 005	1 074 762	99.2	72.9	X
	36250	Market research and public opinion polling services	18	5 770	1 387	24.0	.1	X
	39500	All other receipts	52	48 547	17 186	35.4	1.2	48.9
	39547	All other operating receipts	49	23 524	4 674	19.9	.3	X
541720		Research and development in the social sciences and humanities	1 240	X	1 473 915	X	100.0	61.3
	36200	Research and development activities in the social sciences	1 089	1 473 915	1 455 342	98.7	98.7	51.6
	36201	Economics	364	214 557	213 731	99.6	14.5	X
	36202	Psychology	58	31 319	28 697	91.6	1.9	X
	36203	Education	135	76 258	63 759	83.6	4.3	X
	36204	Other social sciences and humanities	554	1 083 005	1 074 762	99.2	72.9	X
	36250	Market research and public opinion polling services	18	5 770	1 387	24.0	.1	X
	39500	All other receipts	52	48 547	17 186	35.4	1.2	48.9
	39547	All other operating receipts	49	23 524	4 674	19.9	.3	X

¹Product line receipts/revenue and product line percents may not sum to total due to exclusion of selected lines to avoid disclosing data for individual companies, due to rounding, and/or due to exclusion of lines that did not meet publication criteria.

²Receipts/revenue of establishments reporting product lines as percent of total receipts/revenue.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 4. Concentration by Largest Firms for the United States: 2002

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only firms and establishments of firms with payroll. Excludes data for corporate, subsidiary, and regional managing offices and establishments of these firms that are classified in other categories than those specified in this table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For method of assignment to categories shown, see Appendix C. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	Tax status, kind of business, and largest firms based on receipts/revenue	Establishments (number)	Receipts/revenue		Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)
			Amount (\$1,000)	As percent of total			
	ALL ESTABLISHMENTS						
5417	Scientific research and development services						
	All firms	15 218	63 071 983	100.0	41 890 026	10 818 867	602 071
	4 largest firms	670	9 343 614	14.8	3 394 745	839 897	52 178
	8 largest firms	787	12 199 814	19.3	4 496 946	1 125 255	68 014
	20 largest firms	947	18 075 808	28.7	6 883 312	1 745 083	105 691
	50 largest firms	1 187	25 180 890	39.9	10 316 277	2 641 455	158 517
54171	Research and development in the physical, engineering, and life sciences						
	All firms	13 033	59 489 940	100.0	38 110 812	9 819 148	539 825
	4 largest firms	670	9 343 614	15.7	3 394 745	839 897	52 178
	8 largest firms	787	12 199 814	20.5	4 496 946	1 125 255	68 014
	20 largest firms	942	18 015 777	30.3	6 856 431	1 738 806	104 814
	50 largest firms	1 175	24 886 625	41.8	10 218 254	2 619 454	155 987
541710	Research and development in the physical, engineering, and life sciences						
	All firms	13 033	59 489 940	100.0	38 110 812	9 819 148	539 825
	4 largest firms	670	9 343 614	15.7	3 394 745	839 897	52 178
	8 largest firms	787	12 199 814	20.5	4 496 946	1 125 255	68 014
	20 largest firms	942	18 015 777	30.3	6 856 431	1 738 806	104 814
	50 largest firms	1 175	24 886 625	41.8	10 218 254	2 619 454	155 987
54172	Research and development in the social sciences and humanities						
	All firms	2 185	3 582 043	100.0	3 779 214	999 719	62 246
	4 largest firms	30	768 178	21.4	299 437	66 416	5 103
	8 largest firms	55	1 065 348	29.7	411 105	91 512	7 424
	20 largest firms	75	1 514 659	42.3	574 791	130 365	10 656
	50 largest firms	136	1 984 099	55.4	743 356	170 397	13 877
541720	Research and development in the social sciences and humanities						
	All firms	2 185	3 582 043	100.0	3 779 214	999 719	62 246
	4 largest firms	30	768 178	21.4	299 437	66 416	5 103
	8 largest firms	55	1 065 348	29.7	411 105	91 512	7 424
	20 largest firms	75	1 514 659	42.3	574 791	130 365	10 656
	50 largest firms	136	1 984 099	55.4	743 356	170 397	13 877
	ESTABLISHMENTS EXEMPT FROM FEDERAL INCOME TAX						
5417	Scientific research and development services						
	All firms	3 008	18 043 427	100.0	6 994 118	1 691 054	135 295
	4 largest firms	166	3 199 613	17.7	1 294 970	307 831	23 690
	8 largest firms	254	5 242 592	29.1	2 309 049	566 021	37 241
	20 largest firms	344	8 302 277	46.0	3 418 339	830 283	59 753
	50 largest firms	521	11 729 700	65.0	4 689 910	1 133 798	81 700
54171	Research and development in the physical, engineering, and life sciences						
	All firms	2 063	15 935 299	100.0	6 197 299	1 501 449	118 107
	4 largest firms	166	3 199 613	20.1	1 294 970	307 831	23 690
	8 largest firms	249	5 182 561	32.5	2 282 168	559 744	36 364
	20 largest firms	339	8 242 246	51.7	3 391 458	824 006	58 876
	50 largest firms	541	11 480 410	72.0	4 570 937	1 107 538	79 434
541710	Research and development in the physical, engineering, and life sciences						
	All firms	2 063	15 935 299	100.0	6 197 299	1 501 449	118 107
	4 largest firms	166	3 199 613	20.1	1 294 970	307 831	23 690
	8 largest firms	249	5 182 561	32.5	2 282 168	559 744	36 364
	20 largest firms	339	8 242 246	51.7	3 391 458	824 006	58 876
	50 largest firms	541	11 480 410	72.0	4 570 937	1 107 538	79 434
54172	Research and development in the social sciences and humanities						
	All firms	945	2 108 128	100.0	796 819	189 605	17 188
	4 largest firms	17	443 468	21.0	201 494	45 409	3 249
	8 largest firms	40	677 744	32.1	285 810	65 471	5 204
	20 largest firms	59	980 407	46.5	384 502	89 997	7 316
	50 largest firms	113	1 359 933	64.5	518 020	121 899	9 976
541720	Research and development in the social sciences and humanities						
	All firms	945	2 108 128	100.0	796 819	189 605	17 188
	4 largest firms	17	443 468	21.0	201 494	45 409	3 249
	8 largest firms	40	677 744	32.1	285 810	65 471	5 204
	20 largest firms	59	980 407	46.5	384 502	89 997	7 316
	50 largest firms	113	1 359 933	64.5	518 020	121 899	9 976
	ESTABLISHMENTS SUBJECT TO FEDERAL INCOME TAX						
5417	Scientific research and development services						
	All firms	12 210	45 028 556	100.0	34 895 908	9 127 813	466 776
	4 largest firms	622	8 195 213	18.2	2 900 258	722 396	44 715
	8 largest firms	680	10 694 701	23.8	3 857 251	973 837	60 484
	20 largest firms	749	14 728 616	32.7	5 228 139	1 336 876	77 526
	50 largest firms	885	18 611 431	41.3	7 625 178	2 010 608	107 978

See footnotes at end of table.

Table 4. Concentration by Largest Firms for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only firms and establishments of firms with payroll. Excludes data for corporate, subsidiary, and regional managing offices and establishments of these firms that are classified in other categories than those specified in this table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For method of assignment to categories shown, see Appendix C. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	Tax status, kind of business, and largest firms based on receipts/revenue	Establishments (number)	Receipts/revenue		Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)
			Amount (\$1,000)	As percent of total			
	ESTABLISHMENTS SUBJECT TO FEDERAL INCOME TAX—Con.						
54171	Research and development in the physical, engineering, and life sciences						
	All firms	10 970	43 554 641	100.0	31 913 513	8 317 699	421 718
	4 largest firms	622	8 195 213	18.8	2 900 258	722 396	44 715
	8 largest firms	680	10 694 701	24.6	3 857 251	973 837	60 484
	20 largest firms	741	14 580 294	33.5	5 996 067	1 580 787	85 542
	50 largest firms	870	18 324 490	42.1	7 545 739	1 995 980	105 756
541710	Research and development in the physical, engineering, and life sciences						
	All firms	10 970	43 554 641	100.0	31 913 513	8 317 699	421 718
	4 largest firms	622	8 195 213	18.8	2 900 258	722 396	44 715
	8 largest firms	680	10 694 701	24.6	3 857 251	973 837	60 484
	20 largest firms	741	14 580 294	33.5	5 996 067	1 580 787	85 542
	50 largest firms	870	18 324 490	42.1	7 545 739	1 995 980	105 756
54172	Research and development in the social sciences and humanities						
	All firms	1 240	1 473 915	100.0	2 982 395	810 114	45 058
	4 largest firms	23	598 676	40.6	213 309	46 437	3 876
	8 largest firms	28	680 659	46.2	250 354	54 849	4 421
	20 largest firms	49	805 265	54.6	299 936	66 165	5 109
	50 largest firms	84	978 880	66.4	398 296	89 194	6 601
541720	Research and development in the social sciences and humanities						
	All firms	1 240	1 473 915	100.0	2 982 395	810 114	45 058
	4 largest firms	23	598 676	40.6	213 309	46 437	3 876
	8 largest firms	28	680 659	46.2	250 354	54 849	4 421
	20 largest firms	49	805 265	54.6	299 936	66 165	5 109
	50 largest firms	84	978 880	66.4	398 296	89 194	6 601

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.