

TABLE 42. R&D performance by matched U.S. parent companies, by industry and source of funds: SIRD 2005

(Millions of U.S. dollars)

Industry	NAICS codes	All R&D performance	Source of funds	
			Company ^a	Federal government
All industries	21-23, 31-33, 42, 44-81	164,487	144,917	19,570
Manufacturing	31-33	131,604	112,934	18,670
Food	311	2,151	2,144	6
Beverage and tobacco products	312	114	114	0
Paper, printing, and support activities	322, 323	3,397	D	D
Petroleum and coal products	324	1,525	D	D
Chemicals	325	34,646	34,589	58
Basic chemicals	3251	1,547	D	D
Resin, synthetic rubber, fibers, and filament	3252	2,101	D	D
Pharmaceuticals and medicines	3254	28,222	28,215	6
Other chemicals	other 325	2,777	2,771	6
Plastics and rubber products	326	1,096	D	D
Nonmetallic mineral products	327	730	725	5
Primary metals	331	385	363	22
Fabricated metal products	332	695	D	D
Machinery	333	6,712	6,642	70
Computer and electronic products	334	42,426	34,993	7,433
Computers and peripheral equipment	3341	5,801	D	D
Communications equipment	3342	7,579	D	D
Semiconductor and other electronic components	3344	14,355	14,338	16
Navigational, measuring, electromedical, and control instruments	3345	13,947	6,563	7,384
Other computer and electronic products	other 334	744	D	D
Electrical equipment, appliances, and components	335	1,287	D	D
Transportation equipment	336	32,377	21,371	11,006
Motor vehicles, trailers, and parts	3361-63	14,201	14,115	86
Aerospace products and parts	3364	13,484	D	D
Other transportation equipment	other 336	4,692	D	D
Miscellaneous manufacturing	339	3,277	3,276	1
Medical equipment and supplies	3391	2,895	2,894	1
Other miscellaneous manufacturing	other 339	382	382	0
Other manufacturing	313-16, 321, 337	785	D	D
Nonmanufacturing	21-23, 42, 44-81	32,883	31,983	900
Mining, extraction, and support activities	21	D	D	0
Wholesale trade	42	578	D	D
Information	51	18,072	D	D
Publishing	511	13,829	13,825	4
Newspaper, periodical, book, and database	5111	419	419	0
Software	5112	13,410	13,406	4
Telecommunications	517	D	D	0
Wired and wireless (except satellite)				
telecommunications carriers	5171, 5172	D	D	0
Satellite telecommunications	5174	0	0	0
Other telecommunications	other 517	D	D	0
Internet service providers, web search portals, and data processing services				
Internet service providers and web search portals	518	2,042	D	D
Data processing, hosting, and related services	5181	808	808	0
Data processing, hosting, and related services	5182	1,234	D	D
Other information	other 51	D	D	0
Finance, insurance, and real estate	52, 53	639	639	0
Professional, scientific, and technical services	54	10,113	D	D
Architectural, engineering, and related services	5413	2,088	1,394	693
Computer systems design and related services	5415	6,357	D	D
Scientific R&D services	5417	1,563	1,550	13

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Other professional, scientific, and technical services	other 54	105	105	0
Health care services	621-23	D	D	0
Other nonmanufacturing	22, 23, 44, 45, 48, 49, 55, 56, 61, 624, 71, 72, 81	3,157	D	D

D = suppressed to avoid disclosure of confidential information.

BEA = Bureau of Economic Analysis; NAICS = North American Industry Classification System; SIRD = Survey of Industrial Research and Development; USDIA = U.S. Direct Investment Abroad.

^a Includes company and other nonfederal sources.

NOTES: Data from SIRD (cosponsored by National Science Foundation and U.S. Census Bureau) matched to data from USDIA survey (conducted by BEA). SIRD data presented are aggregations of unweighted microdata.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, U.S. Bureau of Economic Analysis, and U.S. Census Bureau. R&D Data Link Project, 2004-07.