

TABLE 17. R&amp;D performance by matched U.S. parent companies, by industry and source of funds: SIRD 2004

(Millions of U.S. dollars)

Industry	NAICS codes	All R&D performance	Source of funds	
			Company <sup>a</sup>	Federal government
All industries	21-23, 31-33, 42, 44-81	157,935	139,306	18,630
Manufacturing	31-33	124,965	107,277	17,688
Food	311	1,645	1,643	2
Beverage and tobacco products	312	68	68	0
Paper, printing, and support activities	322, 323	2,613	D	D
Petroleum and coal products	324	1,401	1,392	9
Chemicals	325	34,814	34,600	214
Basic chemicals	3251	1,778	D	D
Resin, synthetic rubber, fibers, and filament	3252	1,862	1,847	15
Pharmaceuticals and medicines	3254	28,679	28,661	19
Other chemicals	other 325	2,494	D	D
Plastics and rubber products	326	1,183	D	D
Nonmetallic mineral products	327	626	623	3
Primary metals	331	394	D	D
Fabricated metal products	332	925	889	36
Machinery	333	4,724	4,668	56
Computer and electronic products	334	41,515	34,495	7,019
Computers and peripheral equipment	3341	7,108	D	D
Communications equipment	3342	6,042	D	D
Semiconductor and other electronic components	3344	14,860	14,808	52
Navigational, measuring, electromedical, and control instruments	3345	12,615	5,653	6,961
Other computer and electronic products	other 334	890	D	D
Electrical equipment, appliances, and components	335	1,707	1,704	4
Transportation equipment	336	29,901	19,603	10,299
Motor vehicles, trailers, and parts	3361-63	13,595	13,536	60
Aerospace products and parts	3364	12,062	D	D
Other transportation equipment	other 336	4,244	D	D
Miscellaneous manufacturing	339	2,841	D	D
Medical equipment and supplies	3391	2,315	D	D
Other miscellaneous manufacturing	other 339	526	526	0
Other manufacturing	313-16, 321, 337	607	D	D
Nonmanufacturing	21-23, 42, 44-81	32,970	32,029	941
Mining, extraction, and support activities	21	602	D	D
Wholesale trade	42	299	299	0
Information	51	19,072	D	D
Publishing	511	15,123	D	D
Newspaper, periodical, book, and database	5111	121	121	0
Software	5112	15,002	D	D
Broadcasting and telecommunications	513	1,552	1,552	0
Other information	other 51	2,396	D	D
Finance, insurance, and real estate	52, 53	649	649	0
Professional, scientific, and technical services	54	9,795	D	D
Architectural, engineering, and related services	5413	1,212	D	D
Computer systems design and related services	5415	6,783	6,690	93
Scientific R&D services	5417	1,641	1,630	11

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Other professional, scientific, and technical services	other 54	159	159	0
Health care services	621-23	35	35	0
Other nonmanufacturing	22, 23, 44, 45, 48, 49, 55, 56, 61, 624, 71, 72, 81	2,518	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.

<sup>a</sup> 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.