

TABLE 66. R&D performance by matched U.S. parent companies, by industry and character of work: SIRD 2006  
(Millions of U.S. dollars)

Industry	NAICS codes	All R&D performance	Character of work		
			Basic research	Applied research	Development
All industries	21–23, 31–33, 42, 44–81	177,905	6,060	33,279	138,566
Manufacturing	31–33	138,145	5,150	27,979	105,016
Food	311	2,191	132	436	1,624
Beverage and tobacco products	312	116	1	74	42
Paper, printing, and support activities	322, 323	3,373	68	715	2,590
Petroleum and coal products	324	1,385	75	1,153	157
Chemicals	325	36,645	2,279	8,514	25,852
Basic chemicals	3251	1,474	134	422	918
Resin, synthetic rubber, fibers, and filament	3252	1,898	173	1,120	605
Pharmaceuticals and medicines	3254	30,686	1,928	6,329	22,428
Other chemicals	other 325	2,587	44	642	1,901
Plastics and rubber products	326	1,328	118	151	1,060
Nonmetallic mineral products	327	786	78	269	439
Primary metals	331	398	4	45	349
Fabricated metal products	332	556	5	109	442
Machinery	333	7,676	29	1,269	6,378
Computer and electronic products	334	45,650	875	8,956	35,819
Computers and peripheral equipment	3341	6,007	18	741	5,248
Communications equipment	3342	8,694	D	D	6,020
Semiconductor and other electronic components	3344	15,574	472	4,138	10,963
Navigational, measuring, electromedical, and control instruments	3345	14,712	176	1,576	12,960
Other computer and electronic products	other 334	664	D	D	628
Electrical equipment, appliances, and components	335	1,265	35	205	1,025
Transportation equipment	336	33,013	1,319	5,458	26,236
Motor vehicles, trailers, and parts	3361–63	13,949	D	D	11,913
Aerospace products and parts	3364	14,990	558	3,109	11,322
Other transportation equipment	other 336	4,074	D	D	3,001
Miscellaneous manufacturing	339	2,951	116	540	2,295
Medical equipment and supplies	3391	2,358	111	500	1,747
Other miscellaneous manufacturing	other 339	592	4	40	548
Other manufacturing	313–16, 321, 337	812	18	86	708
Nonmanufacturing	21–23, 42, 44–81	39,759	909	5,300	33,550
Mining, extraction, and support activities	21	732	43	217	472
Wholesale trade	42	359	3	50	306
Information	51	21,004	137	2,078	18,788
Publishing	511	16,223	40	1,708	14,474
Newspaper, periodical, book, and database	5111	763	*	6	756
Software	5112	15,460	40	1,702	13,718
Telecommunications	517	1,648	D	D	1,503
Wired and wireless (except satellite)					
telecommunications carriers	5171, 5172	1,350	D	D	1,249
Satellite telecommunications	5174	0	0	0	0
Other telecommunications	other 517	298	D	D	254
Internet service providers, web search portals, and data processing services	518	2,980	D	D	2,658
Internet service providers and web search portals	5181	D	0	D	D
Data processing, hosting, and related services	5182	D	D	D	D
Other information	other 51	154	*	*	153
Finance, insurance, and real estate	52, 53	693	D	D	623
Professional, scientific, and technical services	54	13,653	498	2,111	11,044
Architectural, engineering, and related services	5413	2,410	D	D	2,121
Computer systems design and related services	5415	7,203	D	D	6,695
Scientific R&D services	5417	3,916	339	1,444	2,133

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Other professional, scientific, and technical services	other 54	124	1	28	95
Health care services	621-23	9	1	3	5
Other nonmanufacturing	22, 23, 44, 45, 48, 49, 55, 56, 61, 624, 71, 72, 81	3,311	D	D	2,312

\* = amount < \$500,000; 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.

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.