

TABLE 30. Capital expenditures, total in the United States and for domestic R&D, by industry and company size: 2011

(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Domestic R&D
All industries	21–23, 31–33, 42–81	477,001	23,183
Manufacturing industries	31–33	210,909	12,213
Food	311	20,832	369
Beverage and tobacco products	312	3,992	48 i
Textile, apparel, and leather products	313–316	1,604	82
Wood products	321	833	36
Paper	322	4,985	71
Printing and related support activities	323	917	28
Petroleum and coal products	324	15,583	52
Chemicals	325	38,905	2,847
Basic chemicals	3251	18,046	418
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	3,158	53
Pesticide, fertilizer, and other agricultural chemical	3253	993	156
Pharmaceuticals and medicines	3254	12,178	2,002
Soap, cleaning compound, and toilet preparation	3256	3,263	150
Paint, coating, adhesive, and other chemicals	3255, 3259	1,267	67
Plastics and rubber products	326	17,920	531
Nonmetallic mineral products	327	2,273	62
Primary metals	331	6,609	72
Fabricated metal products	332	15,423 i	313
Machinery	333	24,286	1,531
Agricultural implement	33311	1,095	87
Semiconductor machinery	333295	361	143
Engine, turbine, and power transmission equipment	3336	14,839	676
Other machinery	other 333	7,992	625
Computer and electronic products	334	23,839	4,184
Communications equipment	3342	3,718	977
Semiconductor and other electronic components	3344	7,456	1,560
Navigational, measuring, electromedical, and control instruments	3345	5,243	751
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	1,175	166 i
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	2,093	301
Other measuring and controlling device	other 3345	1,976	284
Other computer and electronic products	other 334	7,421	897
Electrical equipment, appliances, and components	335	2,874	223 i
Transportation equipment	336	22,624	1,006
Motor vehicles, bodies, trailers, and parts	3361, 3362, 3363	16,994	632
Aerospace products and parts	3364	4,493	337
Aircraft, aircraft engine, and aircraft parts	336411–13	3,774	291
Guided missile, space vehicle, and related parts	336414–15, 336419	719	46
Military armored vehicle, tank, and tank component	336992	16	4
Other transportation equipment	other 336	1,121	34
Furniture and related products	337	680	45
Miscellaneous manufacturing	339	6,730	711
Medical equipment and supplies	3391	4,161	412
Other miscellaneous manufacturing	3399	2,568	299 i
Nonmanufacturing industries	21–23, 42–81	266,091	10,970
Mining, extraction, and support activities	21	57,780	317
Utilities	22	72,939	313
Wholesale trade	42	5,193	177 i
Electronic shopping and electronic auctions	454111–12	2,703	40 i
Transportation and warehousing	48–49	13,439	116
Information	51	73,233	5,176
Publishing	511	9,456	1,938
Newspaper, periodical, book, and directory publishers	5111	1,389	225
Software publishers	5112	8,067	1,713
Telecommunications	517	39,621	1,987 i

TABLE 30. Capital expenditures, total in the United States and for domestic R&D, by industry and company size: 2011
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Domestic R&D
Data processing, hosting, and related services	518	14,562	626
Other information	other 51	9,594	625
Finance and insurance	52	12,507	1,399
Real estate and rental and leasing	53	2,501	36
Lessors of nonfinancial intangible assets (except copyrighted works)	533	72	23
Other real estate and rental and leasing	other 53	2,430	13 i
Professional, scientific, and technical services	54	15,475	3,150
Architectural, engineering, and related services	5413	2,618	251
Computer systems design and related services	5415	6,793	1,775 i
Scientific research and development services	5417	3,563	848
Biotechnology research and development	541711	690	499
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,864	348
Social sciences and humanities research and development	541720	9 i	1 i
Other professional, scientific, and technical services	other 54	2,501	276
Health care services	621-23	1,868	41
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	8,453	205
All companies (number of domestic employees)	-	477,001	23,183
Small companies ^a			
5-499	-	68,558	5,893
5-99	-	25,514	3,352
5-49	-	16,108	2,446
5-9	-	2,766	462
10-24	-	5,717	1,065
25-49	-	7,625	918
50-99	-	9,406	906
100-249	-	14,823	1,444
250-499	-	28,222	1,098
Medium and large companies			
500-999	-	12,848	1,262
1,000-4,999	-	65,622	3,347
5,000-9,999	-	43,612	2,023
10,000-24,999	-	117,343	3,329
25,000 or more	-	169,017	7,331

i = value > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2007 North American Industry Classification System.

^a Upper bound based on U.S. Small Business Administration's definition of a small business; Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

NOTES: Detail may not add to total because of rounding. Industry classification based on dominant business code for domestic R&D performance where available. For companies that did not report business codes, classification used for sampling was assigned. Statistics are representative of companies located in the United States that performed or funded R&D.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics and U.S. Census Bureau, Business R&D and Innovation Survey, 2011.