

Table 5

**Capital expenditures in the United States and for domestic R&D paid for and performed by the company, by type of expenditure, industry, and company size: 2018**

(Millions of U.S. dollars)

Selected industry, NAICS code, and company size	Total <sup>b</sup>	Used for domestic R&D <sup>a</sup>					
		Total <sup>b,c</sup>	Land acquisition	Buildings and land improvement <sup>d</sup>	Equipment	Capitalized software	All other and undistributed <sup>e</sup>
All industries, 21–33, 42–81	665,199	34,743	659	4,063	16,393	9,659	3,969
Manufacturing industries, 31–33	283,452	18,582	240	3,047	11,541	1,750	2,004
Chemicals, 325	56,821	5,434	101	1,705	2,690	369	569
Pharmaceuticals and medicines, 3254	22,286	4,275	76	1,394	1,972	360	473
Other 325	34,535	1,159	25	311	718	9	96
Machinery, 333	13,194	1,066	5	228	620	101	112
Computer and electronic products, 334	38,527	6,350	25	541	4,729	669	387
Communication equipment, 3342	3,862	788	*	62	662	38	25
Semiconductor and other electronic products, 3344	19,366	2,755	10	96	2,089	338	222
Other 334	15,299	2,807	14	383	1,978	293	140
Electrical equipment, appliance, and components, 335	4,318	404	56	76	159	5	107
Transportation equipment, 336	66,386	2,205	17	138	1,643	178	229
Motor vehicles, bodies, trailers, and parts, 3361–63	52,122	1,571	15	102	1,161	142	150
Aerospace products and parts, 3364	10,893	492	*	27	398	7	60
Other 336	3,371	142	1	9	84	29	19
Manufacturing nec, other 31–33	104,206	3,123	36	359	1,700	428	600
Nonmanufacturing industries, 21–23, 42–81	381,747	16,161	419	1,016	4,852	7,908	1,965
Information, 51	141,471	7,968	413	715	2,691	3,404	745
Software publishers, 5112	17,191	1,296	26	186	584	433	68
Telecommunications services, 517	66,906	2,142	382	386	508	459	407
Other 51	57,374	4,530	5	143	1,599	2,512	270
Finance and insurance, 52	16,534	2,865	0	29	291	2,119	425
Professional, scientific, and technical services, 54	15,422	2,438	5	176	859	854	543
Computer systems design and related services, 5415	6,508	1,210	4	73	450	357	325
Scientific research and development services, 5417	2,647	682	*	88	260	190	144
Other 54	6,267	546	0	15	149	307	74
Nonmanufacturing nec, other 21–23, 42–81	208,320	2,890	1	96	1,011	1,531	252
Size of company (number of domestic employees)							
Small companies <sup>f</sup>							
10–19	1,136	359	3	42	197	35	82
20–49	6,080	1,077	2	84	530	142	319
Medium companies							
50–99	7,827	1,043	48	151	476	115	253
100–249	16,303	1,328	9	195	667	279	178
Large companies							
250–499	11,995	1,795	6	187	831	497	274
500–999	16,450	1,505	9	137	633	409	318
1,000–4,999	76,061	5,562	66	792	2,237	1,868	599
5,000–9,999	69,863	3,630	21	501	1,910	998	199
10,000–24,999	159,038	6,719	90	894	2,887	2,015	834
25,000 or more	300,447	11,724	405	1,081	6,024	3,301	913

\* = amount < \$500,000; i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = North American Industry Classification System; nec = not elsewhere classified.

<sup>a</sup> Domestic R&D is the R&D paid for by the respondent company and others outside of the company and performed by the company.

<sup>b</sup> Capital expenditures are payments by a business for assets that usually have a useful life of more than 1 year. The value of assets acquired or improved through capital expenditures is recorded on a company's balance sheet. BRDS statistics exclude the cost of assets acquired through mergers and acquisitions.

<sup>c</sup> Capital expenditures for long-lived assets used in a company's R&D operations are not included in its R&D expense, but any depreciation recorded for those assets is included in its R&D expense. For 2018, depreciation associated with domestic R&D paid for and performed by the company was \$14.8 billion and with domestic R&D performed by the company and paid for by others was \$1.6 billion.

<sup>d</sup> Includes the cost of purchased or improved buildings and other facilities that are fixed to the land.

<sup>e</sup> Includes the cost of other capital expenditures, including purchased patents and other intangible assets, and expenditures not distributed among the categories shown.

<sup>f</sup> The Business Research and Development Survey does not include companies with fewer than 10 employees.

**Note(s)**

Detail may not add to total because of rounding. Beginning in survey year 2018, companies that performed or funded less than \$50,000 of R&D were excluded from tabulation. These companies in aggregate represented a very small share of total R&D expenditures in prior years. Had the companies under this threshold been included in the 2018 estimates, they would have contributed approximately \$90 million to overall R&D expenditures. Estimates of aggregate capital expenditures would have been similarly affected. Industry classification was based on dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. Excludes data for federally funded research and development centers.

**Source(s)**

National Center for Science and Engineering Statistics and U.S. Census Bureau, Business Research and Development Survey, 2018.