

Table 6**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: 2020**

(Millions of U.S. dollars)

Selected industry, NAICS code, and company size	Total ^b	Used for domestic R&D ^a					
		Total ^{b,c}	Land acquisition	Buildings and land improvement ^d	Equipment	Capitalized software	All other and undistributed ^e
All industries, 21–33, 42–81	686,393	32,494	147	4,060	15,731	8,436	4,120
Manufacturing industries, 31–33	288,842	19,727	123	3,073	11,666	2,576	2,289
Chemicals, 325	57,186	5,311	19	1,661	2,336	452	844
Pharmaceuticals and medicines, 3254	22,872	4,619	16	1,545	1,841	425	792
Other 325	34,314	692	3	116	495	27	52
Machinery, 333	16,259	1,298	2	157	727	290	122
Computer and electronic products, 334	39,845	7,578	4	532	5,349	1,207	485
Communication equipment, 3342	4,053	742	0	6	429	259	48
Semiconductor and other electronic products, 3344	21,535	3,850	0	88	2,983	561	218
Other 334	14,257	2,986	4	438	1,937	387	219
Electrical equipment, appliance, and components, 335	3,817	638	0	34	479	21	104
Transportation equipment, 336	63,159	1,924	42	275	1,208	234	164
Motor vehicles, bodies, trailers, and parts, 3361–63	52,378	1,418	28	203	865	214	108
Aerospace products and parts, 3364	8,223	403	1	59	301	13	29
Other 336	2,558	103	13	13	42	7	27
Manufacturing nec, other 31–33	108,576	2,978	56	414	1,567	372	570
Nonmanufacturing industries, 21–23, 42–81	397,551	12,767	24	987	4,065	5,859	1,831
Information, 51	153,819	5,301	1	361	2,554	2,010	374
Software publishers, 5112	22,445	1,085	*	186	547	231	121
Telecommunications services, 517	61,468	205	0	*	53	148	3
Other 51	69,906	4,011	*	*	1,954	1,631	250
Finance and insurance, 52	28,420	1,969	*	*	119	1,639	211
Professional, scientific, and technical services, 54	12,142	2,838	19	522	1,064	865	370
Computer systems design and related services, 5415	4,543	1,148	0	63	573	363	149
Scientific research and development services, 5417	3,532	1,063	18	446	415	100	84
Other 54	4,067	627	1	13	76	402	137
Nonmanufacturing nec, other 21–23, 42–81	203,170	2,659	*	*	328	1,345	876
Size of company (number of domestic employees)							
Small companies ^f							
10–19	1,784	452	2	50	152	108	141
20–49	8,869	1,025	1	121	525	199	178
Medium companies							
50–99	5,891	1,152	11	212	484	218	228
100–249	19,307	1,593	33	350	726	320	164
Large companies							
250–499	21,765	1,295	2	188	506	442	157
500–999	18,493	1,559	15	128	739	485	192
1,000–4,999	81,956	6,406	24	1,185	2,564	1,538	1,095
5,000–9,999	79,859	2,803	18	267	1,261	915	342
10,000–24,999	125,016	6,249	17	606	2,990	1,921	715
25,000 or more	323,454	9,960	23	953	5,785	2,290	908

* = 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.

^a Domestic R&D is the R&D paid for by the respondent company and others outside of the company and performed by the company.

^b 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. BERD statistics exclude the cost of assets acquired through mergers and acquisitions.

^c 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 2020, depreciation associated with domestic R&D paid for and performed by the company was \$18.6 billion and with domestic R&D performed by the company and paid for by others was \$2.4 billion.

^d Includes the cost of purchased or improved buildings and other facilities that are fixed to the land.

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

^f Includes only companies with 10 or more domestic 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 Enterprise Research and Development Survey, 2020.