

Table 6**Capital expenditures in the United States, total and amount used for domestic R&D, by type of expenditure, industry, and company size: 2022**

(Millions of 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	Other intellectual property	All other and undistributed ^e	
All industries, 21–33, 42–81	869,538	36,069	155	5,135	22,228	2,743	3,726	2,082	
Manufacturing industries, 31–33	310,111	23,717	100	3,790	14,713	1,466	2,144	1,504	
Chemicals, 325	62,932	6,121	52	1,611	2,988	323	884	263	
Pharmaceuticals and medicines, 3254	28,479	5,234	41	1,332	2,453	290	877	241	
Other 325	34,453	887	11	279	535	33	7	22	
Machinery, 333	16,324	1,788	1	255	978	167	39	349	
Computer and electronic products, 334	47,559	8,444	2	721	6,106	514	788	312	
Communication equipment, 3342	3,855	482	1	D	307	71	D	D	
Semiconductor and other electronic products, 3344	26,434	4,981	1	185	3,846	239	491	220	
Other 334	17,270	2,981	0	D	1,953	204	D	D	
Electrical equipment, appliance, and components, 335	6,676	675	*	44	495	28	14	94	
Transportation equipment, 336	56,376	3,128	12	542	1,892	245	253	183	
Motor vehicles, bodies, trailers, and parts, 3361–63	42,726	2,159	8	339	1,218	193	250	152	
Aerospace products and parts, 3364	10,782	819	4	168	574	49	2	22	
Other 336	2,868	150	0	35	100	3	1	9	
Manufacturing nec, other 31–33	120,244	3,561	33	617	2,254	189	166	303	
Nonmanufacturing industries, 21–23, 42–81	559,428	12,353	55	1,345	7,515	1,277	1,582	578	
Information, 51	218,255	7,889	13	765	5,062	878	886	285	
Software publishers, 5112	32,114	2,915	9	67	2,477	214	D	D	
Telecommunications, 517	93,417	487	0	61	116	309	0	*	
Other 51	92,724	4,487	4	637	2,469	355	D	D	
Finance and insurance, 52	26,641	59	0	6	39	5	8	1	
Professional, scientific, and technical services, 54	27,522	2,370	42	479	1,311	216	165	158	
Computer systems design and related services, 5415	10,418	528	0	19	362	81	27	40	
Scientific research and development services, 5417	9,266	1,423	41	426	737	54	68	97	
Other 54	7,838	419	1	34	212	81	70	21	
Nonmanufacturing nec, other 21–23, 42–81	287,010	2,035	0	95	1,103	178	523	134	
Size of company (number of domestic employees)									
Small companies									
10–19 ^f	1,349	204	2	26	122	23	13	17	
20–49	6,698	847	18	87	583	48	50	62	
Medium companies									
50–99	10,638	887	16	186	541	65	27	52	
100–249	15,299	1,540	8	268	949	125	110	80	
Large companies									
250–499	15,387	1,322	3	262	724	132	123	78	
500–999	27,577	1,729	22	234	974	178	115	206	
1,000–4,999	91,332	4,944	40	878	2,933	473	325	296	

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5,000–9,999	85,689	3,152	5	i	301		2,254	360		113	i	119
10,000–24,999	204,664	7,313	26		1,226		4,286	429		999		346
25,000 or more	410,906	14,131	16	i	1,666	i	8,863	909	i	1,850	i	826

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; 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. Statistics from the Business Enterprise Research and Development Survey 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 2022, depreciation associated with domestic R&D paid for and performed by the company was \$20.2 billion and with domestic R&D performed by the company and paid for by others was \$2.3 billion.

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

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

^f The Business Enterprise Research and Development Survey does not include companies with fewer than 10 domestic employees.

Note(s):

Detail may not add to total because of rounding. 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.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2022.