

Table 6**Capital expenditures in the United States, total and used for domestic R&D, by type of expenditure, industry, and company size: 2021**

(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	Other intellectual property	All other and undistributed ^e						
All industries, 21–33, 42–81	793,263	52,844	584	i	5,220	19,665	16,247	i	5,711	5,417	i			
Manufacturing industries, 31–33	304,707	28,450	243		3,877	15,169	2,596		3,654	2,910				
Chemicals, 325	64,081	8,291	16	i	1,968	3,346	535		1,190	1,236				
Pharmaceuticals and medicines, 3254	28,013	7,504	14	i	1,840	2,885	406		1,179	1,180				
Other 325	36,068	787	2	i	128	461	129		11	56				
Machinery, 333	17,941	1,295	*		122	783	140		11	238				
Computer and electronic products, 334	53,170	9,468	122		792	5,312	1,064	i	1,691	487	i			
Communication equipment, 3342	4,222	731	44		0 - 102	459	128	i	0 - 102	i	0 - 102			
Semiconductor and other electronic products, 3344	32,074	5,014	i	37	i	286	i	3,218	731	i	444	i	299	i
Other 334	16,874	3,723	41		*	1,635	205		*	*				
Electrical equipment, appliance, and components, 335	4,119	389	*		42	190	58		5	94				
Transportation equipment, 336	53,820	3,652	81	i	431	2,156	502	i	263	218				
Motor vehicles, bodies, trailers, and parts, 3361–63	42,528	2,813	i	68	i	308	1,654	i	475	i	98 - 263	42 - 208	i	
Aerospace products and parts, 3364	8,998	704	0 - 14		113	401	25		0 - 150	1 - 167				
Other 336	2,294	135	*		10	101	2		*	*				
Manufacturing nec, other 31–33	111,576	5,355	*		522	3,382	297		494	637				
Nonmanufacturing industries, 21–23, 42–81	488,556	24,394	i	341	r	1,342	i	4,496	13,651	i	2,056	i	2,507	i
Information, 51	188,156	10,768	5		608	i	1,661	6,744	i	1,282	i	469		
Software publishers, 5112	30,445	2,877	5		131	570	1,525		521	i	125			
Telecommunications, 517	80,916	239	i	0	*	26	i	173	i	*	40	i		
Other 51	76,795	7,652	0		*	1,065	5,046		*	304				
Finance and insurance, 52	29,975	3,491	0		10	i	104	i	3,256	16	i	105		
Professional, scientific, and technical services, 54	23,487	5,028	324	r	592	1,797	1,676	i	345	295				
Computer systems design and related services, 5415	13,041	2,367	0		82	922	1,171	i	65	126				
Scientific research and development services, 5417	3,934	1,467	24		435	669	147		57	i	135			
Other 54	6,512	1,194	300		75	206	358		223	34				
Nonmanufacturing nec, other 21–23, 42–81	246,938	5,107	12		132	934	1,975		413	1,638				
Size of company (number of domestic employees)														
Small companies ^f														
10–19	4,398	474	7	i	33	i	207	i	121	71	35	i		
20–49	6,962	1,719	211	r	205	700	247	i	154	i	202			
Medium companies														
50–99	7,708	1,733	13	i	322	816	302		63	217				
100–249	21,307	3,102	34	i	260	983	1,004	i	586	236				
Large companies														
250–499	18,528	2,835	31	i	309	805	985		373	331				
500–999	22,388	3,012	49	i	320	1,099	1,113		162	269				
1,000–4,999	94,802	8,427	79		983	2,893	2,707		797	967				
5,000–9,999	90,879	5,864	22		297	2,046	2,716		154	628				

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10,000–24,999	151,918	7,891	64	i	818		4,108		1,371		566		963	i	
25,000 or more	374,373	17,787	i	74	i	1,672	i	6,008	i	5,682	i	2,784		1,567	i

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

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 Survey 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 2021, depreciation associated with domestic R&D paid for and performed by the company was \$18.4 billion and with domestic R&D performed by the company and paid for by others was \$2.7 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. 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. An estimate range may be displayed in place of a single estimate to avoid disclosing operations of individual companies.

Source(s):

National Center for Science and Engineering Statistics and U.S. Census Bureau, Business Enterprise Research and Development Survey, 2021.