

Table 1**U.S. capital expenditures by business R&D performers, total and for domestic R&D, by selected industry and company size: 2020**

(Millions of U.S. dollars and percent)

Industry and company size	NAICS code	Capital expenditures	Capital expenditures for domestic R&D						Share of R&D capital expenditures to capital expenditures (%)						
			R&D capital expenditures (all types)	Land acquisition	Buildings and land improvement	Equipment	Capitalized software	All other							
All industries	na	686,393	32,494	147	4,060	15,731	8,436	4,120	4.7						
Manufacturing industries	31-33	288,842	19,727	123	3,073	11,666	2,576	2,289	6.8						
Food	311	18,659	449	17	112	224	62	34	2.4						
Chemicals	325	57,186	5,311	19	1,661	2,336	452	844	9.3						
Pharmaceuticals and medicines	3254	22,872	4,619	16	1,545	1,841	425	792	20.2						
Plastics and rubber products	326	10,040	310	*	65	154	5	85	3.1						
Nonmetallic mineral products	327	4,747	166	i	25	i	1	i	16	3.5					
Primary metals	331	9,752	96	0	17	66	*	13	1.0						
Fabricated metal products	332	5,454	278	30	20	157	17	55	5.1						
Machinery	333	16,259	1,298	2	157	727	290	122	8.0						
Semiconductor machinery	333242	1,902	400	1	36	313	28	21	21.0						
Computer and electronic products	334	39,845	7,578	4	i	532	5,349	1,207	485	19.0					
Communications equipment	3342	4,053	742	0	6	i	429	259	i	48	18.3				
Semiconductor and other electronic components	3344	21,535	i	3,850	0	88	2,983	561	218	17.9					
Navigational, measuring, electromedical, and control instruments	3345	6,783	1,046	i	4	i	99	i	673	i	97	i	173	i	15.4
Electrical equipment, appliances, and components	335	3,817	638	0	34	479	21	104	16.7						
Transportation equipment	336	63,159	1,924	42	275	1,208	234	164	3.0						
Motor vehicles, bodies, trailers, and parts	3361-63	52,378	1,418	28	203	865	214	108	2.7						
Aerospace products and parts	3364	8,223	403	1	59	301	13	29	4.9						
Miscellaneous	339	20,418	1,201	7	D	589	D	D	5.9						
Medical equipment and supplies	3391	15,501	1,020	5	74	518	183	240	6.6						
Nonmanufacturing industries	21-23, 42-81	397,551	12,767	24	987	4,065	5,859	1,831	3.2						
Mining, quarrying, oil and gas extraction, and support activities	21	15,851	110	0	4	80	9	17	i	0.7					
Utilities	22	102,740	362	0	*	i	12	9	341	0.4					
Wholesale trade	42	5,072	181	4	53	56	i	32	36	3.6					
Information	51	153,819	5,301	1	361	2,554	2,010	374	3.4						
Publishing	511	22,655	1,091	*	186	547	232	125	4.8						
Software publishers	5112	22,445	1,085	*	186	547	231	121	4.8						

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Telecommunications	517	61,468	205	i	0	*	53	148	i	3	0.3			
Data processing, hosting, and related services	518	26,346	2,130		*	146	620	1,265		100	8.1			
Finance and insurance	52	28,420	1,969		*	i	119	1,639	i	211	6.9			
Professional, scientific, and technical services	54	12,142	2,838		19	522	1,064	865		370	23.4			
Computer systems design and related services	5415	4,543	1,148		0	63	573	363		149	25.3			
Scientific research and development services	5417	3,532	1,063		18	446	415	100		84	30.1			
All companies (number of domestic employees)	–	686,393	32,494		147	4,060	15,731	8,436		4,120	4.7			
Small companies														
10–19 ^a	–	1,784	452		2	50	152	108		141	25.3			
20–49	–	8,869	1,025		1	121	525	199		178	11.6			
Medium companies														
50–99	–	5,891	1,152		11	212	484	218	i	228	19.6			
100–249	–	19,307	1,593		33	350	726	320		164	8.3			
Large companies														
250–499	–	21,765	1,295		2	i	188	506		442	157	5.9		
500–999	–	18,493	1,559		15		128	739		485	192	8.4		
1,000–4,999	–	81,956	6,406		24	i	1,185	2,564		1,538	1,095	7.8		
5,000–9,999	–	79,859	2,803		18		267	1,261		915	342	3.5		
10,000–24,999	–	125,016	6,249		17		606	2,990		1,921	715	5.0		
25,000 or more	–	323,454	9,960		23		953	5,785		2,290	i	908	i	3.1

* = 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; na = not applicable.

NAICS = 2017 North American Industry Classification System.

^a 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 is based on the 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. Statistics are representative of companies located in the United States that performed or funded \$50,000 or more of R&D and are not comparable with estimates published for years prior to 2018. The "undistributed" column shown in prior years is no longer necessary because of processing improvements implemented beginning in 2015.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2020.