

TABLE 49

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: 2015

(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Domestic R&D				
			Total	Structures	Equipment	Capitalized software	All other
All industries	21–23, 31–33, 42–81	558,899	28,203	3,674	13,704	6,970	3,856
Manufacturing industries	31–33	229,229	16,626	2,789	9,241	1,738	2,858
Food	311	14,601	420	82	310	7	21
Beverages and tobacco products	312	6,138	59	17	40	2	*
Textiles, apparel, and leather products	313–16	2,675	46 i	8 i	26 i	7 i	5 i
Wood products	321	1,377	6	*	6	*	*
Paper	322	5,295	24 i	* i	24 i	0	* i
Printing and related support activities	323	1,627 i	62 i	2 i	5 i	55 i	*
Petroleum and coal products	324	6,092	43	D	23	0	D
Chemicals	325	52,704	3,839	849	2,116	457	417
Basic chemicals	3251	18,229	456	42	312	54	48
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	7,094	95	12	63	4	16 i
Pesticides, fertilizers, and other agricultural chemicals	3253	5,078	201	4	95	*	103
Pharmaceuticals and medicines	3254	15,931	2,949	771	1,546	398	234
Soaps, cleaning compounds, and toilet preparations	3256	4,180	87 i	14 i	70 i	1 i	2 i
Paints, coatings, adhesives, and other chemicals	3255, 3259	2,192	51	6	31	*	14
Plastics and rubber products	326	10,656	455	34	369	10	43
Nonmetallic mineral products	327	3,609	312 i	123 i	76 i	1	111
Primary metals	331	4,515	70 i	13 i	36 i	7 i	13 i
Fabricated metal products	332	5,383 i	197 i	1 i	165 i	6 i	25 i
Machinery	333	12,295	725 i	66	487 i	43 i	129 i
Agricultural implements	33311	992	66	33	19	*	14
Semiconductor machinery	333242	617 i	196 i	3 i	134 i	5 i	54 i
Engines, turbines, and power transmission equipment	3336	1,569 i	39 i	1 i	25 i	4 i	10 i
Other machinery	other 333	9,116	424	30	309 i	34	51
Computer and electronic products	334	25,473 i	7,192 i	1,100 i	3,945 i	642 i	1,505 i
Communications equipment	3342	8,944 i	2,469 i	644 i	1,475 i	228 i	122 i
Semiconductors and other electronic components	3344	9,369 i	2,866 i	41 i	1,594 i	250 i	980 i
Navigational, measuring, electromedical, and control instruments	3345	4,418	792 i	78 i	470	103	141 i
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	801	329 i	58 i	232 i	14 i	24 i
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	1,774	205	D	160	34	D
Other measuring and controlling devices	other 3345	1,842	258 i	D	78 i	54 i	D
Other computer and electronic products	other 334	2,742	1,065	337 i	404 i	61 i	262 i
Electrical equipment, appliances, and components	335	4,414	351 i	16 i	157 i	46 i	131 i
Transportation equipment	336	63,080	2,039	412	1,089	178	360

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Automobiles, bodies, trailers, and parts	3361-63	42,378	1,307	122	774	129	282
Aerospace products and parts	3364	17,348	621	269	261	48	43
Aircraft, aircraft engines, and aircraft parts	336411-13	17,082	620	269	261	48	43
Guided missiles, space vehicles, and related parts	336414-15, 336419	266	1	*	1	*	*
Military armored vehicles, tanks, and tank components	336992	25	5	0	5	0	0
Other transportation	other 336	3,329	107	21	49	2	34
Furniture and related products	337	1,047	64	11	40	8	4
Miscellaneous	339	8,249	722	D	328	269	D
Medical equipment and supplies	3391	5,928	622	32	279	249	62
Other miscellaneous manufacturing	3399	2,321	100	D	48	20	D
Nonmanufacturing industries	21-23, 42-81	329,670	11,577	885	4,464	5,231	998
Mining, extraction, and support activities	21	56,955	485	157	197	103	28
Utilities	22	88,658	113	16	50	*	47
Wholesale trade	42	4,436	87	19	53	10	5
Electronic shopping and electronic auctions	454111-12	8,126	168	20	82	56	10
Transportation and warehousing	48-49	17,513	50	4	21	18	7
Information	51	103,200	4,291	416	2,500	1,100	274
Publishing	511	10,992	1,381	295	784	121	181
Newspaper, periodical, book, and directory publishers	5111	222	10	1	4	1	3
Software publishers	5112	10,771	1,371	294	780	120	178
Telecommunications	517	74,818	1,402	2	952	434	14
Data processing, hosting, and related services	518	4,765	758	15	263	446	33
Other information	other 51	12,624	751	104	502	99	46
Finance and insurance	52	12,950	2,394	24	201	1,958	211
Real estate and rental and leasing	53	834	35	*	2	31	2
Lessors of nonfinancial intangible assets (except copyrighted works)	533	13	1	*	*	*	*
Other real estate and rental and leasing	other 53	821	34	*	1	31	1
Professional, scientific, and technical services	54	18,456	3,389	219	1,116	1,747	306
Architectural, engineering, and related services	5413	1,132	64	*	32	16	16
Computer systems design and related services	5415	6,997	2,183	145	579	1,407	52
Scientific research and development services	5417	1,663	737	73	357	74	232
Biotechnology research and development	541711	759	267	14	152	2	98
Physical, engineering, and life sciences (except biotechnology) research and development	541712	895	462	58	201	70	132
Social sciences and humanities research and development	541720	9	9	1	3	2	2
Other professional, scientific, and technical services	other 54	8,664	405	1	149	250	5

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			Total	Structures	Equipment	Capitalized software	All other
Health care services	621-23	3,346 i	90 i	2 i	75 i	1 i	12 i
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	15,198 i	476 i	7 i	165 i	207 i	97 i
All companies (number of domestic employees)		- 558,899	28,203	3,674	13,704	6,970	3,856
Micro companies ^a							
5-9		- 1,235 i	213 i	10 i	63 i	47 i	94 i
Small companies							
10-19		- 3,682 i	444 i	44 i	251 i	74 i	75 i
20-49		- 5,939 i	749 i	65 i	356 i	212 i	116 i
Medium companies							
50-99		- 6,206 i	767 i	70	454	160 i	84 i
100-249		- 11,986 i	1,094	172	573	202 i	147 i
Large companies							
250-499		- 10,363 i	1,022	108	523	233	158
500-999		- 22,997 i	1,119	93	637	253	135
1,000-4,999		- 61,319	4,197	602	2,191	872	533
5,000-9,999		- 70,879	3,630	640	1,714	637	639
10,000-24,999		- 113,859	4,304	535	1,544	1,340	884
25,000 or more		- 250,432	10,664 i	1,335 i	5,399 i	2,941 i	990 i

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

^a Business R&D and Innovation Survey does not include companies with fewer than five 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 R&D. The "undistributed" column shown in prior years is no longer necessary because of processing improvements implemented for 2015.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2015.