

Table 62. Domestic sales for companies located in the United States that performed or funded R&D, by business activity: 2008–23

(Millions of U.S. dollars)

Business activity ^a	Business code ^b	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
All business activities	21100–81000	7,796,340	7,448,495	8,831,739	9,059,299	9,260,168	9,663,848	9,785,269	9,084,789	9,151,764	9,583,098	10,680,515	11,279,821	11,186,163	13,126,409	14,109,067	14,019,323
Oil and gas extraction	21100	127,788	61,582	85,797	178,926	124,569	120,495	124,534	71,385	58,231	51,790	91,319	1,908,473	80,519	114,652	163,855	116,621
Mining	21200	NA	D	33,072	38,109	24,837	38,270	22,962	37,589	19,449	17,583	25,823	16,117	13,997	37,586	37,097	11,668
Support activities for mining, including oil and gas	21300	NA	23,022	34,840	42,645	51,327	72,553	97,302	47,711	25,825	39,547	54,528	52,894	28,321	30,030	142,622	35,285
Utilities	22100	NA	D	301,613	337,871	309,573	316,082	347,997	336,457	304,643	400,104	1,147,536	299,495	286,720	340,383	382,037	378,993
Construction	23000	NA	27,180	81,641	88,626	64,402	60,516	66,835	49,892	45,660	64,968	79,414	85,005	89,040	77,993	91,023	112,695
Food manufacturing	31100	394,404	503,047	501,332	494,683	503,915	693,438	608,765	541,557	520,546	617,230	527,904	570,617	583,246	676,200	798,776	754,513
Beverage manufacturing	31210	83,691	78,740	84,764	95,236	83,774	106,580	109,397	D	111,431	96,676	92,210	78,312	104,710	123,816	115,845	148,774
Tobacco manufacturing	31220	28,680	32,431	31,357	29,645	27,706	35,864	36,177	31,715	34,196	35,945	35,691	38,302	41,250	46,573	45,648	56,505
Textile, apparel, and leather products manufacturing	31990	NA	45,893	56,890	52,532	68,545	55,066	51,532	70,105	89,019	66,734	59,379	1,908,473	56,466	55,062	61,679	56,818
Wood products manufacturing	32100	28,183	26,213	25,241	22,344	28,764	36,703	44,706	28,998	229,395	31,890	34,871	35,769	40,414	63,407	67,924	56,467
Paper manufacturing	32200	100,057	80,030	99,820	103,867	101,033	106,399	106,178	108,659	95,481	110,534	118,261	1,908,473	104,667	118,818	124,608	119,169
Printing and related support activities	32300	22,678	33,532	32,163	26,809	26,267	26,281	29,178	35,056	26,808	39,492	31,019	55,231	32,668	30,803	29,184	36,902
Petroleum refineries	32401	NA	NA	540,612	581,297	578,075	639,569	521,504	336,271	245,323	325,035	332,542	362,266	235,874	367,550	520,739	455,441
Asphalt paving, roofing, and saturated materials manufacturing	32402	NA	NA	7,549	8,781	8,489	13,260	8,873	9,694	9,088	13,350	11,426	12,622	839,065	20,765	14,050	18,835
Other petroleum and coal products manufacturing, including motor oil, hydraulic fluid, and charcoal	32403	NA	NA	21,658	20,509	20,440	13,722	12,852	11,797	10,565	15,821	13,238	10,453	8,479	11,622	19,722	10,593
Basic chemicals manufacturing	32510	158,621	103,950	150,240	206,723	344,515	198,843	195,066	154,351	205,221	164,502	181,046	0 - 228,985	168,371	229,321	218,413	227,877
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	32520	60,269	61,805	64,684	58,263	68,104	67,845	73,542	61,729	58,345	56,121	76,816	71,460	57,050	76,141	97,331	72,084
Pesticide, fertilizer, and other agricultural chemicals manufacturing	32530	28,010	47,317	41,528	33,380	40,317	45,660	55,122	D	41,963	55,687	53,085	55,218	56,536	68,605	77,914	71,219
Pharmaceutical, medicinal, botanical, and biological products (except diagnostic substances) manufacturing ^c	32541	445,985	309,750	324,266	414,284	428,486	415,199	414,154	410,983	463,633	486,877	510,204	384,923	539,429	605,058	695,440	716,037
In vitro diagnostic substances manufacturing ^c	32542	15,353	9,805	12,835	13,735	14,646	8,141	14,006	6,219	7,893	9,215	8,119	9,161	839,065	10,874	12,579	11,232
Biotechnology-based pharmaceutical and biological products (except diagnostic substances)	32543	NA	NA	NA	NA	NA	36,856	48,419	71,205	229,395	0 - 90,420	96,814	111,134	114,261	119,302	D	155,003
Soap, cleaning compound, and toilet preparations manufacturing	32591	69,942	71,452	81,151	70,851	82,518	87,034	101,458	94,015	83,083	94,133	107,951	98,948	100,249	103,111	114,703	111,093
Paint, adhesive, and other chemical manufacturing	32592	63,149	62,724	60,506	64,497	79,372	67,504	73,975	68,020	73,446	78,668	86,077	79,965	78,245	80,283	86,647	85,393
Plastics and rubber products manufacturing	32600	118,523	114,191	137,777	173,290	194,568	153,705	165,082	156,033	175,524	162,892	171,981	147,603	177,138	201,836	219,436	184,599

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Clay and glass products manufacturing	32710	24,394	19,014	25,143	21,754	20,164	22,987	21,577	23,739	30,753	27,302	29,698	24,222	19,882	26,747	32,584	30,275
Cement, concrete, lime, gypsum, and other nonmetallic mineral products manufacturing	32790	43,373	31,599	24,141	24,235	33,359	33,428	25,941	27,882	28,170	25,524	36,064	40,811	37,413	36,806	41,998	34,730
Primary metal manufacturing	33100	NA	97,493	161,558	148,670	153,926	137,000	104,419	90,956	105,884	82,674	124,934	124,538	82,316	113,960	165,815	152,497
Fabricated metal products manufacturing	33200	142,788	102,595	119,246	130,090	155,294	160,359	168,139	150,860	129,779	128,532	149,664	132,941	146,085	407,226	223,708	181,779
Agricultural machinery and equipment manufacturing	33311	27,543	25,669	29,904	29,258	35,667	45,717	36,857	32,054	30,092	38,891	37,208	36,555	36,338	43,522	87,134	59,196
Construction machinery manufacturing	33312	18,228	13,180	19,480	25,854	31,853	42,912	41,256	35,668	34,984	39,464	44,655	49,631	44,963	46,512	65,160	69,479
Mining, oil, and gas field machinery and equipment manufacturing	33319	NA	33,167	39,264	53,050	60,556	46,949	43,531	37,351	21,606	31,187	46,305	41,573	22,622	28,128	33,290	35,862
Semiconductor machinery manufacturing	33321	9,091	4,765	11,918	15,018	6,839	10,807	11,067	8,215	15,676	20,114	21,685	24,629	26,327	28,909	33,168	30,912
Industrial machinery manufacturing (except semiconductor machinery)	33322	19,452	15,372	21,762	29,736	31,127	29,265	35,077	32,599	25,317	27,103	31,884	28,414	37,552	47,265	34,493	44,275
Photographic and photocopying equipment manufacturing	33331	NA	5,392	3,927	4,791	D	6,885	7,246	7,124	6,776	5,993	0 - 1,147,536	710	1,453	1,198	1,310	1,803
Commercial, service industry, temperature control, and air-flow control machinery manufacturing	33332	NA	33,493	48,407	43,626	54,363	64,333	71,628	74,207	76,436	68,201	77,939	80,289	66,337	78,381	102,696	107,204
Digital cameras manufacturing	33333	NA	NA	NA	NA	NA	NA	15	D	0 - 5,580	1,423	0 - 1,147,536	1,762	0 - 839,065	1,987	1,749	1,662
Engine, turbine, and power transmission equipment manufacturing	33360	58,560	30,093	46,693	68,243	74,148	89,526	45,367	50,302	51,113	57,548	49,399	55,891	52,429	67,282	71,985	83,884
Metalworking and other general purpose machinery manufacturing	33390	54,007	43,998	58,532	71,081	86,258	81,492	98,230	99,506	78,310	78,019	86,306	75,128	70,191	85,203	78,176	80,843
Computers and peripheral equipment manufacturing and magnetic and optical media ^d	33412	NA	136,666	167,290	174,898	143,492	180,146	165,617	153,211	211,415	196,854	214,860	211,233	215,119	239,272	260,030	209,784
Telephone apparatus manufacturing, including routers, modems, and gateways	33421	26,447	35,592	40,631	32,334	34,783	39,026	40,004	92,411	44,009	41,110	44,162	0 - 1,908,473	40,721	40,367	41,702	46,941
Radio, television, and wireless communication equipment manufacturing	33422	46,641	46,769	61,641	55,217	82,027	94,606	96,564	D	39,938	31,253	0 - 1,147,536	30,685	27,772	36,901	43,965	45,798
Other communication equipment manufacturing (except radio, television, and wireless communication equipment)	33429	11,185	8,644	8,841	12,452	13,908	16,604	12,801	14,671	0 - 229,395	11,789	14,853	14,423	16,620	8,176	9,153	9,406
Audio and video equipment manufacturing	33430	10,969	10,929	19,142	7,296	14,633	14,832	13,162	D	25,739	0 - 413,972	6,363	7,797	13,077	9,269	7,750	12,478
Semiconductor and other electronic components manufacturing	33440	119,612	117,302	138,124	151,590	146,764	123,263	162,118	172,062	160,152	182,769	232,283	0 - 1,908,473	238,282	D	215,025	175,826
Electromedical, electrotherapeutic, and irradiation apparatus manufacturing	33451	28,976	18,709	19,647	25,057	27,605	31,248	28,949	29,150	31,400	24,211	31,286	32,355	28,477	28,086	31,455	38,356
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments manufacturing	33452	33,348	46,237	57,639	40,372	53,425	52,990	55,142	48,787	47,874	53,371	63,110	62,411	62,584	33,473	65,503	52,172
Measuring and control instruments manufacturing (not listed elsewhere)	33459	37,609	42,753	50,643	49,752	58,909	52,984	55,954	61,158	62,658	60,242	52,440	56,172	62,458	70,193	68,795	68,111

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Electrical equipment, appliances, and components manufacturing	33500	106,551	85,758	105,982	106,576	110,094	133,238	141,600	143,695	139,311	120,116	115,004	145,779	132,963	132,741	155,942	146,210
Motor vehicles manufacturing	33610	346,591	274,985	329,874	373,194	375,113	459,721	385,647	526,522	561,193	207,956 - 616,742	580,129	495,402	355,452	424,989	D	730,547
Motor vehicle body and trailer manufacturing	33620	9,363	15,184	22,168	14,423	31,982	25,726	32,146	23,083	62,848	19,322	25,616	42,353	25,694	35,506	45,345	38,935
Motor vehicle parts manufacturing	33630	97,433	77,528	146,257	125,593	130,372	155,179	244,948	192,928	148,781	185,890	202,526	195,569	156,265	174,779	188,096	229,253
Aircraft manufacturing	33641	97,973	69,001	81,666	111,748	91,545	145,641	132,472	139,909	130,676	121,866	181,703	139,087	114,601	D	105,652	128,583
Aircraft engine and engine parts manufacturing	33642	35,056	24,737	25,563	27,491	26,706	46,618	41,051	D	36,861	40,556	35,583	32,679	29,626	70,560	43,527	38,623
Other aircraft parts and auxiliary equipment manufacturing	33643	21,141	26,755	31,157	43,898	34,541	47,588	68,545	77,236	68,063	83,469	56,053	47,651	0 - 68,810	50,607	50,344	51,329
Guided missiles, space vehicles, and related parts manufacturing	33644	38,114	D	25,391	35,889	14,656	14,770	27,872	29,343	30,261	35,725	46,748	32,443	38,371	42,741	69,417	78,001
Railroad rolling stock manufacturing	33651	6,354	2,763	7,095	7,204	11,800	10,875	16,122	16,100	11,092	8,252	8,576	8,090	9,422	10,639	14,057	13,410
Ship and boat building	33660	14,880	D	10,531	11,647	22,778	15,008	32,077	13,569	33,497	20,861	14,316	21,987	16,334	18,387	22,844	22,871
Motorcycle, bicycle, and parts manufacturing	33691	8,078	6,282	6,081	7,422	7,067	10,406	7,777	7,687	6,276	5,423	0 - 1,147,536	0 - 1,908,473	5,569	6,785	9,680	6,791
Military armored vehicle, tank, and tank components manufacturing	33692	13,092	9,674	9,072	5,755	4,668	4,190	4,895	4,304	229,395	9,662	15,846	13,847	9,397	16,026	8,797	7,098
All other transportation equipment manufacturing	33699	7,131	5,438	11,079	11,066	16,258	15,809	D	11,472	11,940	11,554	17,803	16,188	19,170	16,662	16,894	25,217
Furniture and related products manufacturing	33700	36,218	31,479	32,876	32,881	37,447	35,446	39,675	38,024	37,737	43,394	44,459	46,013	48,923	46,357	40,302	43,653
Medical equipment and supplies manufacturing	33910	105,647	102,585	169,760	225,177	136,664	160,263	155,890	154,650	166,341	165,204	28,416 - 271,189	200,521	404,214	232,955	233,238	251,570
Miscellaneous manufacturing not listed elsewhere (games, office supplies, slot machines, etc.)	33990	80,689	84,846	71,000	78,674	80,879	93,078	90,517	95,353	86,197	96,947	104,968	87,408	99,610	100,001	86,121	85,584
Merchant wholesalers, durable goods	42300	238,101	196,341	206,240	171,815	221,488	353,401	161,500	232,112	194,976	142,659	225,389	147,049	155,289	247,170	207,809	234,827
Merchant wholesalers, nondurable goods	42400	274,190	239,385	247,311	266,388	349,833	362,965	457,745	387,489	359,871	349,751	454,966	438,340	519,753	1,043,215	1,053,666	804,917
Wholesale electronic markets and agents and brokers (business to business)	42500	2,481	D	3,331	3,008	65,076	33,264	65,562	21,530	59,653	49,844	0 - 1,147,536	5,104	19,913	26,645	18,782	18,718
Retail trade (except electronic shopping and electronic auctions)	44000	NA	D	195,958	70,424	214,728	128,479	400,192	196,896	278,755	305,293	481,549	582,400	608,344	549,530	661,116	727,397
Electronic shopping and electronic auctions	45411	NA	NA	32,624	40,254	53,712	59,174	43,787	D	110,618	0 - 198,757	191,381	168,467	212,453	D	201,038	217,240
Transportation	48000	NA	D	95,591	83,912	107,212	87,113	111,576	D	0 - 229,395	223,375	219,221	299,220	0 - 839,065	206,331	268,246	237,052
Couriers, messengers, and express delivery services	49200	D	D	36,420	D	D	D	123,456	D	141,429	103,001	68,939	2,014	0 - 839,065	D	89,140	83,121
Warehousing and storage	49300	28,723	1,296	23,982	21,910	3,157	12,235	1,971	2,305	3,358	9,877	1,147,536	8,407	11,392	D	7,198	11,958
Newspaper, periodical, book, and directory publishers (except Internet)	51110	12,383	16,369	18,917	22,488	26,549	15,003	8,481	5,743	7,263	4,383	1,147,536	5,584	0 - 839,065	5,389	5,405	4,792
Software publishers (except Internet) ^e	51120	121,028	118,001	129,649	132,970	136,905	154,237	163,059	159,688	155,068	133,983	148,758	142,948	149,525	164,870	235,489	200,672

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Motion picture and sound recording (except Internet)	51200	10,053	14,356	11,375	9,824	7,281	i 13,722	D	5,203	6,863	6,353	32,874	43,304	33,951	36,546	11,509	2,127
Broadcasting (except Internet)	51500	NA	34,110	45,779	39,563	59,926	73,283	59,724	64,390	70,169	71,335	126,122	145,840	131,465	125,374	132,595	125,273
Wired telecommunications carriers	51710	99,917	D	209,490	261,484	216,736	181,127	227,778	213,921	179,239	220,350	127,438	137,019	146,787	153,019	152,529	149,279
Wireless telecommunications carriers (except satellite)	51720	134,162	153,937	138,473	156,525	193,254	205,148	247,714	210,820	172,357	200,979	264,216	264,970	253,127	274,485	280,886	288,155
Satellite telecommunications	51740	14,005	6,743	i 15,845	2,430	2,822	3,143	3,518	43,812	61,622	57,292	53,242	51,266	0 - 839,065	32,953	19,185	21,189
Other telecommunications (not listed elsewhere)	51790	4,374	8,108	7,222	15,929	14,610	16,325	5,973	13,669	7,684	14,142	12,552	13,863	0 - 839,065	14,542	13,450	18,690
Data processing, hosting, and related services ^e	51800	NA	29,903	31,417	51,197	82,997	i 49,201	67,167	64,916	59,491	57,183	114,191	69,067	69,419	91,759	93,537	85,169
Cloud computing applications and Internet-based software services	51801	NA	NA	NA	NA	NA	19,455	26,461	26,654	44,759	77,556	131,826	171,301	226,651	255,925	306,552	346,360
Other information services, including Internet publishing, broadcasting, and Web search portals ^e	51910	NA	27,907	47,397	28,424	28,760	36,613	57,405	53,823	75,332	100,436	114,010	121,756	0 - 839,065	184,883	203,462	225,844
Finance: banking and credit intermediation	52200	NA	D	992,651	601,628	631,902	i 305,994	317,147	312,954	342,319	399,822	479,807	577,362	570,871	D	546,141	530,925
Securities, commodity contracts, and other financial investments and related activities, including funds and trusts	52310	NA	D	113,669	117,167	88,244	83,913	54,342	60,239	55,068	83,537	0 - 1,147,536	67,833	94,101	127,622	117,786	153,518
Insurance carriers and related activities	52400	NA	282,640	265,110	265,293	349,252	363,799	347,710	398,746	353,842	294,467	0 - 1,147,536	0 - 1,908,473	883,433	937,882	674,320	811,692
Real estate	53100	6,053	D	4,615	4,727	8,069	8,227	10,128	8,449	9,235	0 - 10,116	10,982	0 - 1,908,473	11,837	28,901	41,338	26,521
Rental and leasing services	53200	NA	D	27,719	18,597	21,801	26,614	15,330	23,848	0 - 14,237	13,623	0 - 1,147,536	8,245	6,966	25,954	42,844	41,470
Lessors of nonfinancial intangible assets, including patent licensing	53300	D	1,484	1,702	2,350	2,125	10,764	i 1,608	1,982	1,386	2,785	0 - 1,147,536	1,615	3,191	7,106	1,807	2,206
Legal, accounting, tax preparation, bookkeeping, and payroll services	54111	NA	D	14,565	7,394	9,093	11,974	18,498	i 18,538	16,708	18,581	21,142	25,650	26,928	28,216	32,909	38,539
Architectural, engineering, and related services	54130	37,749	81,565	113,603	65,209	94,868	i 80,859	85,535	90,666	76,622	65,138	84,645	110,265	81,025	87,874	96,865	102,698
Specialized design services	54140	3,325	D	3,522	2,353	3,301	i 2,714	1,487	769	638	2,356	i 7,284	3,763	1,442	488	6,831	7,571
Computer systems design and related services ^e	54150	124,832	140,234	143,787	224,144	167,759	158,858	168,793	165,417	176,418	152,680	154,615	152,057	0 - 225,490	195,833	177,200	200,279
Management, scientific, and technical consulting services	54160	33,588	36,811	28,351	52,489	57,925	59,508	84,830	75,668	55,608	42,098	49,590	50,339	54,262	66,117	69,481	70,864
Research and development services in the social sciences and humanities	54172	NA	978	1,168	820	934	1,297	969	1,042	1,124	1,179	934	1,144	1,003	1,544	1,433	1,595
Research and development services in biotechnology ^{c,f}	54173	NA	18,691	i 7,194	7,388	9,769	10,689	15,872	9,381	6,548	6,476	0 - 1,147,536	0 - 1,908,473	9,660	12,341	11,639	11,445
Research and development services in the physical, engineering, and life sciences (except biotechnology)	54174	NA	16,041	15,845	19,094	27,670	32,098	27,450	30,843	30,737	28,218	31,661	38,345	41,259	46,131	48,906	i 56,791

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Business activity ^a	Business code ^b	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023			
Research and development services in nanotechnology	54175	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	i	316	568	1,979		
Advertising and related services	54180	14,574	D	11,336	i	21,227	27,500	34,889	34,379	38,454	44,670	52,884	72,957	84,188	101,595	D	145,766	155,843		
Professional, scientific, and technical services (not listed elsewhere)	54190	15,690	28,298	33,134	46,048	53,969	38,936	24,808	28,026	12,205	29,190	16,673	19,059	0 - 839,065	28,757	37,303	39,869			
Management of companies and enterprises	55100	752	2,310	3,347	11,847	4,131	176,993	8,497	D	11,172	i	16,588	12,189	13,209	11,701	i	13,575	i	13,616	16,866
Administrative and support services	56100	NA	29,045	25,660	22,146	38,874	i	26,981	214,331	23,581	27,504	26,915	38,514	0 - 1,908,473	55,368	53,074	85,087	67,762		
Waste management and remediation services	56200	NA	D	13,971	7,223	6,080	5,650	4,152	23,159	25,561	21,206	84,142	11,343	2,615	18,024	r	1,479	20,570		
Offices of physicians	62110	7,492	25,751	24,133	23,844	35,513	36,233	19,041	36,724	40,586	61,117	50,891	102,827	65,786	43,937	40,300	97,827			
Medical and diagnostic laboratories	62150	19,930	14,359	36,288	15,778	19,655	17,027	5,024	19,415	25,614	i	27,361	35,193	34,474	47,851	53,351	56,287	45,113		
Other ambulatory health care services (ambulance, dental, home health care)	62199	NA	D	8,333	D	3,334	i	10,919	5,274	5,651	0 - 229,395	10,363	0 - 1,147,536	22,444	26,984	D	21,688	37,351		
Hospitals and nursing care facilities	62200	NA	D	7,831	16,084	870	i	1,227	26,866	27,485	32,609	32,276	35,118	25,798	0 - 839,065	19,707	15,173	24,712		
Social assistance services	62400	D	D	448	326	249	1,036	1,336	63	77	112	0 - 1,147,536	0 - 1,908,473	1,826	D	123	148			
Arts, entertainment, and recreation	71000	NA	14,265	12,920	12,727	15,248	13,180	12,903	16,137	17,510	18,945	26,563	31,860	14,474	16,076	29,349	29,897			
Accommodation and food services	72000	NA	D	37,218	27,476	54,266	i	57,908	31,664	44,505	32,404	21,272	33,736	56,338	35,128	42,054	56,196	45,562		
Other services (not listed elsewhere)	81000	NA	9,638	35,994	118,268	44,823	120,458	60,949	51,253	173,078	0 - 413,972	0 - 1,147,536	0 - 1,908,473	0 - 839,065	D	D	314,921			
Less: intersegment eliminations	-	219,384	110,499	132,754	117,417	136,579	136,540	160,374	126,960	129,858	131,717	152,902	117,364	152,867	128,267	142,800	212,753			
Undistributed ^g	-	756,553	1,137,705	412,892	450,613	i	108,244	i	D	1,945	D	0	0	8	i	0	0	0		

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; r = relative standard error is more than 50%; NA = not available.

^a Business activity data are tabulated independent of the industry classification of the company. Companies were asked to report their sales and R&D activity in one or more business activity codes.^b Business codes and descriptions are based on 2017 North American Industry Classification System (NAICS) industry definitions.^c Estimates for this business code may not be comparable to those from prior years due to the introduction of a related business code for survey year 2013 and beyond: 32543, Biotechnology-based pharmaceutical and biological products (except diagnostic substances).^d Estimates for this business code may not be comparable to those from prior years due to the introduction of a related business code for survey year 2014 and beyond: 33333, Digital cameras manufacturing.^e Estimates for this business code may not be comparable to those from prior years due to the introduction of a related business code for survey year 2013 and beyond: 51801, Cloud computing applications and Internet-based software services.^f Estimates for this business code may not be comparable to those from prior years due to the introduction of a related business code for survey year 2020 and beyond: 54175, Research and development services in nanotechnology.^g Undistributed includes data reported that were not allocated to a business activity.**Note(s):**

Detail may not add to total because of rounding. 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. For survey year 2008, industry classification was based on the 2002 NAICS. For survey years 2009–13, industry classification was based on the 2007 NAICS. For survey years 2014–19, industry classification was based on the 2012 NAICS. For survey years beginning in 2020, classification was based on the 2017 NAICS. Most statistics for years prior to 2023 have been revised since original publication. Revised statistics include adjustments based on information obtained after the original statistics were prepared. 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 Census Bureau, Business Enterprise Research and Development Survey.