

**Table 4-8**
**Funds spent for business R&D performed in the United States, by source of funds and selected industry: 2013**

			Paid for by others				
					Companies		
Industry and NAICS code	All R&D	Paid for by the company	Total	Federal	Domestic	Foreign <sup>a</sup>	All other organizations <sup>b</sup>
Millions of dollars							
All industries, 21–33, 42–81	322,528	264,913	57,615	29,362	13,450	13,791	1,012
Manufacturing industries, 31–33	221,476	181,170	40,306	22,958	5,174	11,427	747
Chemicals, 325	61,664	54,285	7,379	356	1,389	5,594	40
Pharmaceuticals and medicines, 3254	52,426	45,891	6,534	167	1,343	4,987	37
Other 325	9,238	8,394	845	189	46	607	3
Machinery, 333	12,650	12,092	558	128	110	309	11
Computer and electronic products, 334	67,205	57,364	9,841	4,866	1,748	2,720	507
Electrical equipment, appliances, and components, 335	4,136	3,660	475	129	83	259	4
Transportation equipment, 336	45,972	25,165	20,807	17,312	1,328	1,676	491
Automobiles, trailers, and parts, 3361–63	16,729	14,081	2,647	304	565	1,772	6
Aerospace products and parts, 3364	27,114	10,042	17,072	15,927	758	D	D
Other 336	2,129	1,042	1,088	1,081	5	D	D
Manufacturing nec, other 31–33	29,849	28,604	1,246	167	516	540	23
Nonmanufacturing industries, 21–23, 42–81	101,052	83,742	17,310	6,404	8,276	2,364	266
Information, 51	57,207	56,039	1,168	203	447	512	6
Software publishers, 5112	35,333	34,296	1,037	173	386	474	4
Other 51	21,874	21,743	131	30	61	38	2
Finance and insurance, 52	4,308	4,298	10	0	10	0	0
Professional, scientific, and technical services, 54	31,017	15,617	15,400	6,033	7,610	1,525	232

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					Companies		
Industry and NAICS code	All R&D	Paid for by the company	Total	Federal	Domestic	Foreign <sup>a</sup>	All other organizations <sup>b</sup>
Computer systems design and related services, 5415	9,268	8,107	1,161	809	175	157	20
Scientific R&D services, 5417	14,201	2,838	11,363	3,288	6,841	1,127	107
Other 54	7,548	4,672	2,876	1,936	594	241	105
Nonmanufacturing nec, other 21–23, 42–81	8,520	7,788	732	168	209	327	28
	Percentage of sector/industry totals						
All industries, 21–33, 42–81	100.0	82.1	17.9	9.1	4.2	4.3	0.3
Manufacturing industries, 31–33	100.0	81.8	18.2	10.4	2.3	5.2	0.3
Chemicals, 325	100.0	88.0	12.0	0.6	2.3	9.1	0.1
Pharmaceuticals and medicines, 3254	100.0	87.5	12.5	0.3	2.6	9.5	0.1
Other 325	100.0	90.9	9.1	2.0	0.5	6.6	0.0
Machinery, 333	100.0	95.6	4.4	1.0	0.9	2.4	0.1
Computer and electronic products, 334	100.0	85.4	14.6	7.2	2.6	4.0	0.8
Electrical equipment, appliances, and components, 335	100.0	88.5	11.5	3.1	2.0	6.3	0.1
Transportation equipment, 336	100.0	54.7	45.3	37.7	2.9	3.6	1.1
Automobiles, trailers, and parts, 3361–63	100.0	84.2	15.8	1.8	3.4	10.6	0.0
Aerospace products and parts, 3364	100.0	37.0	63.0	58.7	2.8	D	D
Other 336	100.0	48.9	51.1	50.8	0.2	D	D
Manufacturing nec, other 31–33	100.0	95.8	4.2	0.6	1.7	1.8	0.1
Nonmanufacturing industries, 21–23, 42–81	100.0	82.9	17.1	6.3	8.2	2.3	0.3
Information, 51	100.0	98.0	2.0	0.4	0.8	0.9	0.0



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					Companies		
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Software publishers, 5112	100.0	97.1	2.9	0.5	1.1	1.3	0.0
Other 51	100.0	99.4	0.6	0.1	0.3	0.2	0.0
Finance and insurance, 52	100.0	99.8	0.2	0.0	0.2	0.0	0.0
Professional, scientific, and technical services, 54	100.0	50.3	49.7	19.5	24.5	4.9	0.7
Computer systems design and related services, 5415	100.0	87.5	12.5	8.7	1.9	1.7	0.2
Scientific R&D services, 5417	100.0	20.0	80.0	23.2	48.2	7.9	0.8
Other 54	100.0	61.9	38.1	25.6	7.9	3.2	1.4
Nonmanufacturing nec, other 21–23, 42–81	100.0	91.4	8.6	2.0	2.5	3.8	0.3

D = suppressed to avoid disclosure of confidential information.

NAICS = North American Industry Classification System; nec = not elsewhere classified.

<sup>a</sup> Includes foreign parent companies of U.S. subsidiaries.

<sup>b</sup> Includes U.S. state government agencies and laboratories, foreign agencies and laboratories, and all other organizations located inside and outside the United States.

NOTES: Detail may not add to total because of rounding. Statistics are representative of companies located in the United States that performed or funded R&D. Industry classification was 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. Excludes data for federally funded R&D centers. Detail may not add to total because of rounding. Industry classification was 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. Excludes data for federally funded R&D centers.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Business R&D and Innovation Survey, 2013.

*Science and Engineering Indicators 2016*