



TABLE 4-9

Funds spent for business R&D performed in the United States, by source of funds and selected industry: 2015

(Millions of dollars and percent share)

Industry and NAICS code	All R&D	Paid for by the company	Paid for by others						
			Total	Federal	Companies		All other organizations ^b		
					Domestic	Foreign ^a			
	\$millions								
All industries, 21-33, 42-81 ^c	355,821	296,677	59,144	26,990	14,595	i	16,317	1,242	
Manufacturing industries, 31-33	236,132	195,792	40,340	21,552	5,008	i	12,907	873	
Chemicals, 325	68,196	58,769	9,427	410	1,546		7,413	58	
Pharmaceuticals and medicines, 3254	58,675	50,242	8,432	138	1,465		6,772	57	
Other 325	9,521	8,527	995	272	81		641	1	
Machinery, 333	13,426	12,544	881	222	203	i	438	18	i
Computer and electronic products, 334	72,110	63,765	8,345	4,213	1,474		2,459	199	
Electrical equipment, appliances, and components, 335	4,335	3,852	483	50	16	i	396	21	i
Transportation equipment, 336	49,274	29,224	20,050	16,515	1,304	i	1,690	541	i
Automobiles, trailers, and parts, 3361-63	19,078	16,636	2,441	200	547	i	1,602	92	i
Aerospace products and parts, 3364	27,464	11,138	16,326	15,064	738	i	76	448	i
Other 336	2,732	1,450	1,283	1,251	19	i	12	1	i
Manufacturing nec, other 31-33	28,791	27,638	1,154	142	465	i	511	36	i
Nonmanufacturing industries, 21-23, 42-81	119,690	100,885	18,804	5,438	9,587	i	3,411	368	i
Information, 51	65,513	64,578	935	51	s		s	s	
Software publishers, 5112	33,248	32,500	747	22	s		s	s	
Other 51	32,265	32,078	188	29	s		s	s	
Finance and insurance, 52	5,366	5,329	38	0	6	i	0	32	i
Professional, scientific, and technical services, 54	38,626	21,915	16,710	5,323	9,074	i	2,048	265	i



Industry and NAICS code	All R&D	Paid for by the company	Paid for by others									
			Total	Federal	Companies				All other organizations ^b			
					Domestic	Foreign ^a						
Computer systems design and related services, 5415	14,333	12,418	1,915	i	605	i	1112	i	127	i	71	i
Scientific R&D services, 5417	16,329	3,896	12,433		2,939		7,669	i	1,684	i	141	i
Other 54	7,964	5,601	2,362	i	1,779	i	293	i	237	i	53	i
Nonmanufacturing nec, other 21-23, 42-81	10,185	9,063	1,121		64		s		s		s	
Percentage of sector or industry totals												
All industries, 21-33, 42-81 ^c	100.0	83.4	16.6		7.6		4.1		4.6		0.3	
Manufacturing industries, 31-33	100.0	82.9	17.1		9.1		2.1		5.5		0.4	
Chemicals, 325	100.0	86.2	13.8		0.6		2.3		10.9		0.1	
Pharmaceuticals and medicines, 3254	100.0	85.6	14.4		0.2		2.5		11.5		0.1	
Other 325	100.0	89.6	10.5		2.9		0.9		6.7		0.0	
Machinery, 333	100.0	93.4	6.6		1.7		1.5		3.3		0.1	
Computer and electronic products, 334	100.0	88.4	11.6		5.8		2.0		3.4		0.3	
Electrical equipment, appliances, and components, 335	100.0	88.9	11.1		1.2		0.4		9.1		0.5	
Transportation equipment, 336	100.0	59.3	40.7		33.5		2.6		3.4		1.1	
Automobiles, trailers, and parts, 3361-63	100.0	87.2	12.8		1.0		2.9		8.4		0.5	
Aerospace products and parts, 3364	100.0	40.6	59.4		54.8		2.7		0.3		1.6	
Other 336	100.0	53.1	47.0		45.8		0.7		0.4		0.0	
Manufacturing nec, other 31-33	100.0	96.0	4.0		0.5		1.6		1.8		0.1	
Nonmanufacturing industries, 21-23, 42-81	100.0	84.3	15.7		4.5		8.0		2.8		0.3	
Information, 51	100.0	98.6	1.4		0.1		s		s		s	
Software publishers, 5112	100.0	97.8	2.2		0.1		s		s		s	
Other 51	100.0	99.4	0.6		0.1		s		s		s	
Finance and insurance, 52	100.0	99.3	0.7		0.0		s		0.0		s	



Industry and NAICS code	All R&D	Paid for by the company	Paid for by others					
			Total	Federal	Companies		All other organizations ^b	
					Domestic	Foreign ^a		
Professional, scientific, and technical services, 54	100.0	56.7	43.3	13.8	23.5	5.3	0.7	
Computer systems design and related services, 5415	100.0	86.6	13.4	4.2	7.8	0.9	0.5	
Scientific R&D services, 5417	100.0	23.9	76.1	18.0	47.0	10.3	0.9	
Other 54	100.0	70.3	29.7	22.3	3.7	3.0	0.7	
Nonmanufacturing nec, other 21-23, 42-81	100.0	89.0	11.0	0.6	s	s	s	

i = more than 50% of value imputed; s = suppressed for reasons of confidentiality and/or reliability.

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

^a Includes unaffiliated foreign companies and foreign parent companies of U.S. subsidiaries.

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

^c R&D performed by companies in the United States.

Note(s)

Detail may not add to total because of rounding. Industry classification was based on the dominant business code for domestic R&D performance.

Source(s)

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

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