

TABLE 1. Business R&D and Innovation Survey aggregate estimates, by questionnaire reference: 2013

Question	Survey item	Aggregate amount
Company and financial information (US\$millions)		
1.8	Worldwide net sales and operating revenues	13,319,076
1.9	Net sales and operating revenues from domestic operations	9,654,952
2.4	Worldwide R&D paid for by the company and performed by the company and others	376,151
2.7a	Domestic R&D paid for by the company and performed by the company and others	298,077
2.7b	Foreign R&D paid for by the company and performed by the company and others	78,074
	Domestic R&D paid for by the company and performed by the company and others	
2.10a(1)	Salaries, wages, and fringe benefits	153,633
2.10b(1)	Stock-based compensation	13,553
2.10c(1)	Temporary staffing	11,904
2.10d(1)	Expensed equipment	4,059
2.10e(1)	Materials and supplies	19,511
2.10f(1)	Lease and rental payments	4,099
2.10g(1)	Depreciation and amortization	10,413
2.10h(1)	Payments to business partners for collaborative R&D	6,433
2.10i(1)	Purchased R&D Services	26,732
2.10j(1)	All other purchased services except R&D	5,491
2.10k(1)	All other costs	42,250
2.11(3)	Worldwide R&D paid for by the company and performed by others	44,111
2.11(1)	Domestic R&D paid for by the company and performed by others	33,165
2.11(2)	Foreign R&D paid for by the company and performed by others	10,946
2.12(3)	Worldwide R&D paid for and performed by the company	332,040
2.12(1)	Domestic R&D paid for and performed by the company	264,913
2.12(2)	Foreign R&D paid for and performed by the company	67,128
2.11(1) + 2.12(1) + 3.8(1) + 3.9(1)	Domestic R&D paid for by the company and others and performed by the company and others	365,631
2.12(1) + 3.9(1)	Domestic R&D paid for by the company and others and performed by the company	322,528
	Domestic R&D paid for and performed by the company	
2.18	Performed at largest domestic location	145,126
2.20	Performed at second-largest domestic location	22,179
2.22	Domestic R&D paid for by foreign operations or subsidiaries and performed by the company	5,005
2.23	Foreign R&D paid for by domestic operations or subsidiaries and performed by the company	8,869
	Domestic R&D paid for by the company and performed by others	
2.25a	Companies in United States	27,056
2.25b	Your company's foreign owner	536
2.25c	Companies outside United States	2,859
2.25d	U.S. federal government	71
2.25e	U.S. state and local governments	20
2.25f	Foreign governments	1
2.25g	All other organizations in United States	730
2.25h	All other organizations outside United States	341
2.25	Undistributed (BRD-1(S))	1,550 i
2.26	Indirect R&D charges to be recouped from the U.S. federal government	5,392
	Projected worldwide R&D expense for 2014	
2.27(3)	Worldwide R&D to be paid for and performed by the company	392,477
2.27(1)	Domestic R&D to be paid for and performed by the company	314,549
2.27(2)	Foreign R&D to be paid for and performed by the company	77,928
2.28	Projected R&D services and projected payments for collaborative R&D	28,998
2.29	Total domestic capital expenditures	508,722
2.3	Domestic capital expenditures for R&D	31,145
2.30a	Structures	1,941
2.31b	Equipment	8,150
2.31c	Capitalized software	4,448
2.31d	All other expenditures	2,349
2.31	Undistributed (BRD-1(S))	14,257 i
	R&D paid for by others and performed by the company and others	
3.1j	Worldwide R&D paid for by others and performed by the company and others	75,011

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3.4a	Domestic R&D paid for by others and performed by the company and others	67,553
3.4b	Foreign R&D paid for by others and performed by the company and others	7,458
	Domestic R&D paid for by others and performed by the company and others	
3.7a(1)	Salaries, wages, and fringe benefits	32,958
3.7b(1)	Stock-based compensation	276
3.7c(1)	Temporary staffing	1,276
3.7d(1)	Expensed equipment	361
3.7e(1)	Materials and supplies	5,855
3.7f(1)	Lease and rental payments	756
3.7g(1)	Depreciation and amortization	1,479
3.7h(1)	Payments to business partners for collaborative R&D	1,780
3.7i(1)	Purchased R&D services	8,157
3.7j(1)	All other purchased services except R&D	1,496 i
3.7k(1)	All other costs	13,158 i
3.8(3)	Worldwide R&D paid for and performed by others	11,423
3.8(1)	Domestic R&D paid for and performed by others	9,938
3.8(2)	Foreign R&D paid for and performed by others	1,485
3.9(3)	Worldwide R&D paid for by others and performed by the company	63,588
3.9(1)	Domestic R&D paid for by others and performed by the company	57,615
3.9(2)	Foreign R&D paid for by others and performed by the company	5,973
	Domestic R&D paid for by others and performed by the company	
3.14a	Companies in United States	13,450
3.14b	Your company's foreign owner	10,445
3.14c	Companies outside United States	3,346
3.14d	U.S. federal government	29,362
3.14e	U.S. state and local governments	194
3.14f	Foreign governments	526
3.14g	Other organizations in United States	262
3.14h	Other organizations outside United States	31
	Federally funded R&D performed by the company	
3.18a	Department of Defense	23,466 i
3.18b	Department of Energy	957
3.18c	National Aeronautics and Space Administration	2,661 i
3.18d	National Institutes of Health	624
3.18e	Department of Homeland Security	151
3.18f	Department of Transportation	35
3.18g	Environmental Protection Agency	6
3.18h	National Science Foundation	14
3.18i	Other U.S. federal agencies	1,447
	Domestic R&D paid for by others and performed by the company	
3.23	Performed at largest domestic location	25,098
3.25	Performed at second-largest domestic location	5,169
	Projected R&D to be paid for by others and performed by the company in 2014	
3.26	Worldwide to be paid for by others and performed by the company	71,130
3.27	Domestic R&D to be paid for by others and performed by the company	60,399
3.28	R&D to be paid for by U.S. federal government and performed by the company	31,559 i
	Domestic R&D paid for and performed by the company	
	Character of work	
4.6b	Basic research	15,275
4.6a	Applied research	38,105
4.5b	Development	211,532
	Application areas	
4.7	Energy applications	20,008
4.8	Environmental protection applications	7,475
4.9	Defense applications	10,163
4.10	Health or medical applications	59,950
4.11	Agricultural applications	4,894 i
	Technology focus areas	
4.12	Software products and software embedded	87,245
4.13	Optics and photonics	7,028

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4.14	Products enabled by optics and photonics	3,846
4.15	Biotechnology	27,054
4.16	Nanotechnology	14,878
	Domestic R&D paid for by others and performed by the company	
	Character of work	
4.20b	Basic research	4,233
4.20a	Applied research	12,908
4.19b	Development	40,475
	Application areas	
4.21	Energy applications	3,084 i
4.22	Environmental protection applications	2,190 i
4.23	Defense applications	27,308 i
4.24	Health or medical applications	14,143
4.25	Agricultural applications	774
	Technology focus areas	
4.26	Software products and software embedded	10,103 i
4.27	Optics and photonics	2,602 i
4.28	Products enabled by optics and photonics	1,284 i
4.29	Biotechnology	5,410
4.3	Nanotechnology	1,865 i
	Federally funded R&D performed by the company	
	Character of work	
4.34b	Basic research	1,196 i
4.34a	Applied research	6,028 i
4.33b	Development	22,137 i
	Technology focus areas	
4.35	Software products and software embedded	6,275 i
Employees (thousands)		
	Worldwide	
5.1	Total employees	30,560
5.3b(3)	Non-R&D employees	28,465
5.3a(3)	R&D employees	2,095
5.5a(3)	Female	548
5.5b(3)	Male	1,547
5.6a(3)	Scientists and engineers	1,438
5.6b(3)	Technicians	412
5.6c(3)	Support staff	245
	Domestic	
5.2(1)	Total employees	20,046
5.3b(1)	Non-R&D employees	18,550
5.3a(1)	R&D employees	1,495
5.5a(1)	Female	371
5.5b(1)	Male	1,124
5.6a(1)	Scientists and engineers	1,014
5.6b(1)	Technicians	308
5.6c(1)	Support staff	174
	Foreign	
5.2(2)	Total employees	10,514
5.3b(2)	Non-R&D employees	9,915
5.3a(2)	R&D employees	600
5.5a(2)	Female	177
5.5b(2)	Male	423
5.6a(2)	Scientists and engineers	425
5.6b(2)	Technicians	104
5.6c(2)	Support staff	71
	Full-time equivalent	
5.8d	R&D employees	1,318
5.8a	Full-time R&D employees	1,171
5.8b	Full-time employees not solely working on R&D	124 i
5.8c	Part-time employees working on R&D	22 i

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Question	Survey item	Aggregate amount
5.9d	R&D scientists and engineers	914
5.9a	Full-time R&D employees	833
5.9b	Full-time employees not solely working on R&D	70 i
5.9c	Part-time employees working on R&D	12 i
U.S. patents (number) ^a		
6.1	Applied for	149,818
6.2	Applications, foreign	60,923
6.3	Applications originated from organized R&D activities	101,589
6.4	Issued	98,370
6.7	New agreements to license patents to others	2,857
6.6	Revenue from patent licensing (US\$millions)	26,276

i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

^a These statistics do not include an adjustment to the weight to account for unit nonresponse.

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.

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