

TABLE 1. Business R&D and Innovation Survey aggregate estimates, by questionnaire reference: 2012

Question	Survey item	Aggregate amount
Company and financial information (US\$millions)		
1.8	Worldwide net sales and operating revenues	12,932,098
1.9	Net sales and operating revenues from domestic operations	9,233,431
2.4	Worldwide R&D paid for by the company	352,853
2.7a	Domestic R&D paid for by the company	277,398
2.7b	Foreign R&D paid for by the company	75,455
2.10a(1)	Domestic R&D paid for by the company Salaries, wages, and fringe benefits	142,979
2.10b(1)	Stock-based compensation	11,994
2.10c(1)	Temporary staffing	10,984
2.10d(1)	Expensed equipment	3,372
2.10e(1)	Materials and supplies	17,853
2.10f(1)	Lease and rental payments	4,082
2.10g(1)	Depreciation and amortization	11,016
2.10h(1)	Payments to business partners for collaborative R&D	5,286
2.10i(1)	Purchased R&D Services	24,832
2.10j(1)	All other purchased services, except R&D	4,543
2.10k(1)	All other costs	40,455
2.11(3)	Worldwide R&D performed by others	38,566
2.11(1)	Domestic R&D performed by others	30,118
2.11(2)	Foreign R&D performed by others	8,448
2.12(3)	Worldwide R&D performance	314,287
2.12(1)	Domestic R&D performance	247,280
2.12(2)	Foreign R&D performance	67,007
2.12(1) + 3.9(1)	Total domestic R&D performance	302,250
2.18	Domestic R&D paid for by the company Performed at largest domestic location	137,750
2.20	Performed at second-largest domestic location	20,467
2.22	Domestic R&D paid for by foreign operations or subsidiaries	4,606
2.23	Foreign R&D paid for by domestic operations or subsidiaries	9,427
2.25a	Domestic R&D performed by others Companies in the United States	25,035
2.25b	Your company's foreign owner	553
2.25c	Companies outside the United States	2,763
2.25d	U.S. federal government	77
2.25e	U.S. state and local governments	25
2.25f	Foreign governments	2
2.25g	All other organizations in the United States	675
2.25h	All other organizations outside the United States	332
2.25	Undistributed (BRD-1S)	656 i
Projected worldwide R&D expense for 2012		
2.26(1)	Domestic R&D incurred	293,315
2.26(2)	Foreign R&D incurred	75,138
2.26(3)	Worldwide R&D incurred	368,452
2.27	Projected R&D services and projected payments for collaborative R&D	31,262
2.28	Total domestic capital expenditures	459,868
2.29	Domestic capital expenditures for R&D	26,058
2.30a	Structures	1,700
2.30b	Equipment	6,733
2.30c	Capitalized software	3,641
2.30d	All other expenditures	2,082
2.30	Undistributed (BRD-1S)	11,901 i
R&D paid for by others		
3.1j	Worldwide	73,187
3.4a	Domestic R&D paid for by others	66,778

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3.4b	Foreign R&D paid for by others	6,408
	Domestic R&D paid for by others	
3.7a(1)	Salaries, wages, and fringe benefits	32,120
3.7b(1)	Stock-based compensation	217
3.7c(1)	Temporary staffing	1,161
3.7d(1)	Expensed equipment	321
3.7e(1)	Materials and supplies	6,233
3.7f(1)	Lease and rental payments	745
3.7g(1)	Depreciation and amortization	1,165
3.7h(1)	Payments to business partners for collaborative R&D	1,589
3.7i(1)	Purchased R&D services	10,219 i
3.7j(1)	All other purchased services, except R&D	1,309
3.7k(1)	All other costs	11,699
3.8(3)	Worldwide R&D performed by others	13,239
3.8(1)	Domestic R&D performed by others	11,808 i
3.8(2)	Foreign R&D performed by others	1,431
3.9(3)	Worldwide R&D performance	59,947
3.9(1)	Domestic R&D performance	54,970
3.9(2)	Foreign R&D performance	4,977
	Domestic R&D paid for by others	
3.14a	Companies in the United States	11,624
3.14b	Your company's foreign owner	8,486
3.14c	Companies outside the United States	3,607
3.14d	U.S. federal government	30,621 i
3.14e	U.S. state and local governments	157
3.14f	Foreign governments	120
3.14g	Other organizations in the United States	334
3.14h	Other organizations outside the United States	22
	Federally funded R&D	
3.18a	Department of Defense	25,018 i
3.18b	Department of Energy	1,350 i
3.18c	National Aeronautics and Space Administration	2,002
3.16d	National Institutes of Health	751 i
3.18e	Department of Homeland Security	103
3.18f	Department of Transportation	81
3.18g	Environmental Protection Agency	7
3.18h	National Science Foundation	27
3.18i	Other U.S. federal agencies	1,283
3.22	Performed at largest domestic location	25,898
3.24	Performed at second-largest domestic location	4,621
	Projected R&D paid for by others in 2012	
3.25	Total worldwide	72,387
3.26	Performed by company in the United States	61,583
3.27	Funded by U.S. federal government	35,552 i
	R&D paid for by the company and performed in the United States	
	Character of work	
4.6b	Basic research	11,163
4.6a	Applied research	39,629
4.5b	Development	196,488
	Application areas	
4.7	Energy applications	20,479
4.8	Environmental protection applications	6,876
4.9	Defense applications	7,207
4.10	Health or medical applications	55,471
4.11	Agricultural applications	4,899

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Question	Survey item	Aggregate amount
	Technology focus areas	
4.12	Software products	54,663 i
4.13	Software embedded in other projects	22,809
4.14	Biotechnology	23,068
4.15	Nanotechnology	13,136
	R&D paid for by others, performed in the United States	
	Character of work	
4.19b	Basic research	2,131
4.19a	Applied research	11,126 i
4.18b	Development	41,714 i
	Application areas	
4.20	Energy applications	3,465
4.21	Environmental protection applications	1,483
4.22	Defense applications	24,515 i
4.23	Health or medical applications	11,145
4.24	Agricultural applications	513 i
	Technology focus areas	
4.25	Software products	7,264 i
4.26	Software embedded in other projects	6,394 i
4.27	Biotechnology	5,145 i
4.27	Nanotechnology	1,481 i
	Federally funded R&D	
	Character of work	
4.32b	Basic research	644 i
4.32a	Applied research	4,137 i
4.31b	Development	25,840 i
Employees (thousands)		
	Worldwide	
5.1	Total employees	28,429
5.3b(3)	Non-R&D employees	26,364
5.3a(3)	R&D employees	2,065
5.5a(3)	Female	524
5.5b(3)	Male	1,542
5.6a(3)	Scientists and engineers	1,435
5.6b(3)	Technicians	407
5.6c(3)	Support staff	223
	Domestic	
5.2(1)	Total employees	18,294
5.3b(1)	Non-R&D employees	16,825
5.3a(1)	R&D employees	1,469
5.5a(1)	Female	361
5.5b(1)	Male	1,108
5.6a(1)	Scientists and engineers	1,004
5.6b(1)	Technicians	303
5.6c(1)	Support staff	162 i
	Foreign	
5.2(2)	Total employees	10,135
5.3b(2)	Non-R&D employees	9,538
5.3a(2)	R&D employees	597
5.5a(2)	Female	163
5.5b(2)	Male	434
5.6a(2)	Scientists and engineers	432
5.6b(2)	Technicians	104
5.6c(2)	Support staff	61
	Full-time equivalent	
5.7d	R&D employees	1,251

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Question	Survey item	Aggregate amount
5.7a	Full-time R&D employees	1,113
5.7b	Full-time employees not solely working on R&D	118 i
5.7c	Part-time employees working on R&D	21
5.8d	R&D scientists and engineers	869
5.8a	Full-time R&D employees	792
5.8b	Full-time employees not solely working on R&D	65 i
5.8c	Part-time employees working on R&D	13 i
U.S. patents (number) ^a		
6.1	Applied for	131,775
6.2	Applications, foreign	54,930
6.3	Applications originated from R&D	92,713
6.4	Issued	84,160
6.7	New agreements to license patents to others (number)	2,938
6.6	Revenue from patent licensing (US\$millions)	23,889

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, 2012.