

TABLE 1. Business R&D and Innovation Survey aggregate estimates, by questionnaire reference: 2011

Question	Survey item	Aggregate amount
Company and financial information (US\$millions)		
1.8	Worldwide net sales and operating revenues	12,900,545
1.9	Net sales and operating revenues from domestic operations	9,107,507
2.4	Worldwide R&D paid for by the company	341,335
2.7a	Domestic R&D paid for by the company	268,376
2.7b	Foreign R&D paid for by the company	72,958
Domestic R&D paid for by the company		
2.10a(1)	Salaries, wages, and fringe benefits	141,487
2.10b(1)	Stock-based compensation	9,945
2.10c(1)	Temporary staffing	10,145
2.10d(1)	Expensed equipment	2,938
2.10e(1)	Materials and supplies	15,961
2.10f(1)	Lease and rental payments	3,677
2.10g(1)	Depreciation and amortization	9,796
2.10h(1)	Payments to business partners for collaborative R&D	5,617
2.10i(1)	Purchased R&D Services	23,991
2.10j(1)	All other purchased services except R&D	5,959
2.10k(1)	All other costs	38,860
2.11(3)	Worldwide R&D performed by others	37,529
2.11(1)	Domestic R&D performed by others	29,608
2.11(2)	Foreign R&D performed by others	7,921
2.12(3)	Worldwide R&D performance	303,806
2.12(1)	Domestic R&D performance	238,768
2.12(2)	Foreign R&D performance	65,038
2.12(1) + 3.9(1)	Total domestic R&D performance	294,093
Domestic R&D paid for by the company		
2.18	Performed at largest domestic location	142,897
2.20	Performed at second-largest domestic location	19,042
2.22	Domestic R&D paid for by foreign operations or subsidiaries	3,342
2.23	Foreign R&D paid for by domestic operations or subsidiaries	9,689
Domestic R&D performed by others		
2.25a	Companies in United States	21,921
2.25b	Your company's foreign owner	440
2.25c	Companies outside United States	4,269 i
2.25d	U.S. federal government	175
2.25e	U.S. state and local governments	10
2.25f	Foreign governments	8
2.25g	All other organizations in United States	688
2.25h	All other organizations outside United States	144
2.25	Undistributed (BRDI-1A)	1,953
Projected worldwide R&D expense for 2012		
2.26(1)	Domestic R&D incurred	293,157
2.26(2)	Foreign R&D incurred	72,054
2.26(3)	Worldwide R&D incurred	365,211
2.27	Projected R&D services and projected payments for collaborative R&D	35,114
2.28	Total domestic capital expenditures	477,001
2.29	Domestic capital expenditures for R&D	23,183
R&D paid for by others		
3.1j	Worldwide	72,185
3.4a	Domestic R&D paid for by others	66,847
3.4b	Foreign R&D paid for by others	5,340
Domestic R&D paid for by others		
3.7a(1)	Salaries, wages, and fringe benefits	33,003
3.7b(1)	Stock-based compensation	228
3.7c(1)	Temporary staffing	1,345
3.7d(1)	Expensed equipment	346 i
3.7e(1)	Materials and supplies	6,340

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3.7f(1)	Lease and rental payments	723 i
3.7g(1)	Depreciation and amortization	1,049
3.7h(1)	Payments to business partners for collaborative R&D	1,477
3.7i(1)	Purchased R&D services	10,043 i
3.7j(1)	All other purchased services except R&D	925
3.7k(1)	All other costs	11,364 i
3.8(3)	Worldwide R&D performed by others	12,667
3.8(1)	Domestic R&D performed by others	11,520 i
3.8(2)	Foreign R&D performed by others	1,147
3.9(3)	Worldwide R&D performance	59,517
3.9(1)	Domestic R&D performance	55,324
3.9(2)	Foreign R&D performance	4,193
	R&D performed in United States paid for by others	
3.14a	Companies in United States	11,124
3.14b	Your company's foreign owner	7,438
3.14c	Companies outside United States	4,569
3.14d	U.S. federal government	31,309 i
3.14e	U.S. state and local governments	321
3.14f	Foreign governments	63
3.14g	Other organizations in United States	369
3.14h	Other organizations outside United States	129
	Federally funded R&D	
3.16a	Department of Defense	26,350 i
3.16b	Department of Energy	881
3.16c	National Aeronautics and Space Administration	1,580
3.16d	National Institutes of Health	656
3.16e	Other U.S. federal agencies and undistributed	1,843
	Domestic R&D paid for by others	
3.20	Performed at largest domestic location	21,420
3.22	Performed at second-largest domestic location	4,758
	Projected R&D paid for by others in 2012	
3.23	Total worldwide	70,807
3.24	Performed by company in United States	60,820
3.25	Funded by U.S. federal government	36,005 i
	R&D paid for by the company, performed in United States	
	Character of work	
4.5b	Basic research	10,735
4.5a	Applied research	37,573
4.4b	Development	190,460
	Application areas	
4.6	Energy applications	18,413
4.7	Environmental protection applications	7,677
	Technology focus areas	
4.8	Software products	55,273
4.9	Software embedded in other projects	21,596
4.10	Biotechnology	20,336 i
4.11	Nanotechnology	11,613 i
	R&D paid for by others, performed in United States	
	Character of work	
4.15b	Basic research	2,285
4.15a	Applied research	9,613
4.14b	Development	43,426
	Application areas	
4.16	Energy applications	3,338
4.17	Environmental protection applications	1,926
	Technology focus areas	
4.18	Biotechnology	5,205

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4.19	Nanotechnology	1,943
4.20	Software products	5,028
4.21	Software embedded in other projects	3,334
	Federally funded R&D	
4.25b	Basic research	677
4.25a	Applied research	4,404
4.24b	Development	26,228 i
Employees (thousands)		
	Worldwide	
5.1	Total employees	29,327
5.3b(3)	Non R&D employees	27,302
5.3a(3)	R&D employees	2,025
5.5a(3)	Female	504
5.5b(3)	Male	1,521
5.6a(3)	Scientists and engineers	1,398
5.6b(3)	Technicians	403
5.6c(3)	Support staff	225
	Domestic	
5.2(1)	Total employees	19,285
5.3b(1)	Non R&D employees	17,814
5.3a(1)	R&D employees	1,471
5.5a(1)	Female	352
5.5b(1)	Male	1,118
5.6a(1)	Scientists and engineers	1,003
5.6b(1)	Technicians	308
5.6c(1)	Support staff	160
	Foreign	
5.2(2)	Total employees	10,042
5.3b(2)	Non R&D employees	9,487
5.3a(2)	R&D employees	554
5.5a(2)	Female	151
5.5b(2)	Male	403
5.6a(2)	Scientists and engineers	395
5.6b(2)	Technicians	95
5.6c(2)	Support staff	65
	Full-time equivalent	
5.7d	R&D employees	1,231
5.7a	Full-time R&D employees	1,061
5.7b	Full-time employees not solely working on R&D	154 i
5.7c	Part-time employees working on R&D	17
5.8d	R&D scientists and engineers	853
5.8a	Full-time R&D employees	764
5.8b	Full-time employees not solely working on R&D	81 i
5.8c	Part-time employees working on R&D	7 i
U.S. patents (number) ^a		
6.1	Applied for	119,366
6.2	Applications, foreign	59,457
6.3	Applications originated from R&D	99,042

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Question	Survey item	Aggregate amount
6.4	Issued	79,215
6.7	New agreements to license patents to others (number)	4,098
6.6	Revenue from patent licensing (US\$millions) ^a	24,452

i = value > 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, 2011.