

TABLE 24. Summary SIRD and BEA USDIA survey data for matched U.S. parent companies and their majority-owned foreign affiliates: 2004

Characteristic	U.S. parent companies				MOFAs	
	NSF/Census SIRD		BEA USDIA survey		BEA USDIA survey	
	Companies ^a	US\$millions, employees (1,000s) ^b	Companies ^a	US\$millions, employees (1,000s) ^b	Companies ^a	US\$millions, employees (1,000s) ^b
All industries						
Sales ^c	1,505	4,148,336	1,526	4,291,558	2,950	922,387
R&D performed	1,497	157,935	1,012	163,497	2,953	25,351
Character of work (SIRD)						
Basic research	457	5,951	na	na	na	na
Applied research	800	32,591	na	na	na	na
Development	1,408	119,393	na	na	na	na
Source of funding (SIRD)						
Company-funded R&D ^d	1,492	139,306	na	na	na	na
Federally funded R&D	132	18,630	na	na	na	na
Source of funding (USDIA survey)						
R&D performed for federal government	na	na	75	16,170	NA	NA
R&D performed for themselves	na	na	1,005	143,372	2,845	20,892
R&D performed for foreign affiliates ^e	na	na	43	1,824	174	3,820
R&D performed for others	na	na	52	2,131	57	639
R&D performed by others ^f (SIRD)						
In the United States	415	8,367	na	na	na	na
Overseas	616	28,759	na	na	na	na
R&D performed by others ^g (USDIA survey)						
For U.S. parent companies	na	na	174	6,840	NA	NA
For MOFA's	na	na	NA	NA	69	1,073
Employees	1,505	10,186	1,525	10,385	2,945	2,273
R&D employees ^h	1,497	698	1,012	699	2,838	131
Manufacturing						
Sales ^c	1,145	3,001,401	1,120	2,887,043	2,648	834,667
R&D performed	1,140	124,965	774	129,422	2,651	22,821
Character of work (SIRD)						
Basic research	364	5,192	na	na	na	na
Applied research	642	25,813	na	na	na	na
Development	1,073	93,960	na	na	na	na
Source of funding (SIRD)						
Company-funded R&D ^d	1,136	107,277	na	na	na	na
Federally funded R&D	103	17,688	na	na	na	na
Source of funding (USDIA survey)						
R&D performed for federal government	na	na	56	16,003	NA	NA
R&D performed for themselves	na	na	772	111,842	2,563	19,501
R&D performed for foreign affiliates ^e	na	na	32	D	145	D
R&D performed for others	na	na	40	D	54	D
R&D performed by others ^f (SIRD)						
In the United States	317	7,390	na	na	na	na
Overseas	472	24,797	na	na	na	na
R&D performed by others ^g (USDIA survey)						
For U.S. parent companies	na	na	126	5,553	NA	NA
For MOFA's	na	na	NA	NA	67	D
Employees	1,145	6,586	1,119	6,632	2,643	2,096
R&D employees ^h	1,140	521	774	514	2,548	116

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	Companies ^a	US\$millions, employees (1,000s) ^b	Companies ^a	US\$millions, employees (1,000s) ^b	Companies ^a	US\$millions, employees (1,000s) ^b
Wholesale trade						
Sales ^c	20	107,245	84	422,418	61	12,357
R&D performed	20	299	57	4,881	61	330
Character of work (SIRD)						
Basic research	11	D	na	na	na	na
Applied research	11	D	na	na	na	na
Development	20	D	na	na	na	na
Source of funding (SIRD)						
Company-funded R&D ^d	20	299	na	na	na	na
Federally funded R&D	0	0	na	na	na	na
Source of funding (USDIA survey)						
R&D performed for federal government	na	na	3	11	NA	NA
R&D performed for themselves	na	na	54	4,684	57	D
R&D performed for foreign affiliates ^e	na	na	1	D	6	D
R&D performed for others	na	na	4	D	0	0
R&D performed by others ^f (SIRD)						
In the United States	0	0	na	na	na	na
Overseas	2	D	na	na	na	na
R&D performed by others ^g (USDIA survey)						
For U.S. parent companies	na	na	13	633	NA	NA
For MOFA's	na	na	NA	NA	0	0
Employees	20	82	84	501	61	33
R&D employees ^h	20	6	57	28	57	1
Nonmanufacturing, excluding wholesale trade						
Sales ^c	340	1,039,690	322	982,097	241	75,364
R&D performed	337	32,671	181	29,194	241	2,200
Character of work (SIRD)						
Basic research	82	D	na	na	na	na
Applied research	147	D	na	na	na	na
Development	315	D	na	na	na	na
Source of funding (SIRD)						
Company-funded R&D ^d	336	31,730	na	na	na	na
Federally funded R&D	29	941	na	na	na	na
Source of funding (USDIA survey)						
R&D performed for federal government	na	na	16	156	NA	NA
R&D performed for themselves	na	na	179	26,846	225	D
R&D performed for foreign affiliates ^e	na	na	10	879	23	D
R&D performed for others	na	na	8	1,313	3	D
R&D performed by others ^f (SIRD)						
In the United States	98	977	na	na	na	na
Overseas	142	D	na	na	na	na

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	US\$millions,		US\$millions,		US\$millions,	
	Companies ^a	employees (1,000s) ^b	Companies ^a	employees (1,000s) ^b	Companies ^a	employees (1,000s) ^b
R&D performed by others ^g (USDIA survey)						
For U.S. parent companies	na	na	35	654	NA	NA
For MOFA's	na	na	NA	NA	2	D
Employees	340	3,519	322	3,253	241	145
R&D employees ^h	337	172	181	156	233	13

D = suppressed to avoid disclosure of confidential information; na = not applicable; NA = not available.

BEA = Bureau of Economic Analysis; MNC = multinational company; MOFA = majority-owned foreign affiliate; NSF = National Science Foundation; SIRD = Survey of Industrial Research and Development; USDIA = U.S. Direct Investment Abroad.

^a Companies reporting non-zero value for item.

^b Counts of employees are in the 1,000s; all other values are in millions of U.S. dollars.

^c Sales by U.S. parent companies include sales to MOFAs and to other parent companies; sales by MOFAs include sales to parent companies and to other MOFAs. An MNC-wide total for sales cannot be derived by adding parent company sales and MOFA sales because transactions among and within MNCs would be duplicated.

^d Includes company and other nonfederal sources.

^e For MOFAs, consists of R&D performed for other foreign affiliates or for U.S. parent companies.

^f R&D performed by others is company funded.

^g R&D performed by others is company funded. For U.S. parent companies, consists of R&D performed for parent companies by others in United States and overseas, including by foreign affiliates. For MOFAs, consists of R&D performed for MOFAs by U.S. parent companies and other U.S. or foreign companies.

^h In SIRD, R&D employees are reported as full-time equivalent employment. In USDIA survey, R&D employees are reported as full- and part-time employees who devote a majority of their time to R&D.

NOTES: Data from SIRD (cosponsored by National Science Foundation and U.S. Census Bureau) matched to data from USDIA survey (conducted by BEA). SIRD data presented are aggregations of unweighted microdata. Industry data for U.S. parent companies from SIRD are as classified by Census Bureau. Industry data for U.S. parent companies and MOFAs from USDIA survey are as classified by BEA. In SIRD, 1,505 parent companies were linked to USDIA survey; of these, 1,145 were classified in manufacturing industries, 20 were classified in wholesale trade industries, and 340 were classified in nonmanufacturing industries, excluding wholesale trade. In USDIA survey, 1,527 parent companies were linked to SIRD; of these, 1,120 were classified in manufacturing industries, 84 were classified in whole trade industries, and 323 were classified in nonmanufacturing industries, excluding wholesale trade. MOFA data from USDIA survey cover affiliates with a non-zero value for R&D.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, U.S. Bureau of Economic Analysis, and U.S. Census Bureau. R&D Data Link Project, 2004–07.