

TABLE 49. Summary SIRD and BEA USDIA survey data for matched U.S. parent companies and their majority-owned foreign affiliates: 2005

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	1,513	4,528,738	1,527	4,794,869	3,206	1,069,943
R&D performed	1,499	164,487	1,055	174,010	3,213	26,771
Character of work (SIRD)						
Basic research	435	5,814	na	na	na	na
Applied research	795	30,665	na	na	na	na
Development	1,401	128,008	na	na	na	na
Source of funding (SIRD)						
Company-funded R&D ^d	1,496	144,917	na	na	na	na
Federally funded R&D	127	19,570	na	na	na	na
Source of funding (USDIA survey)						
R&D performed for federal government	na	na	NA	NA	NA	NA
R&D performed for themselves	na	na	NA	NA	NA	NA
R&D performed for foreign affiliates ^e	na	na	NA	NA	NA	NA
R&D performed for others	na	na	NA	NA	NA	NA
R&D performed by others ^f (SIRD)						
In the United States	404	7,430	na	na	na	na
Overseas	611	23,460	na	na	na	na
R&D performed by others ^g (USDIA survey)						
U.S. parent companies	na	na	NA	NA	NA	NA
MOFA's	na	na	NA	NA	NA	NA
Employees	1,514	10,605	1,525	10,971	3,170	2,552
R&D employees ^h	1,496	706	NA	NA	NA	NA
Manufacturing						
Sales ^c	1,142	3,251,926	1,134	3,317,181	2,855	971,986
R&D performed	1,133	131,604	820	141,999	2,862	24,427
Character of work (SIRD)						
Basic research	341	5,170	na	na	na	na
Applied research	631	26,108	na	na	na	na
Development	1,062	100,326	na	na	na	na
Source of funding (SIRD)						
Company-funded R&D ^d	1,131	112,934	na	na	na	na
Federally funded R&D	99	18,670	na	na	na	na
Source of funding (USDIA survey)						
R&D performed for federal government	na	na	NA	NA	NA	NA
R&D performed for themselves	na	na	NA	NA	NA	NA
R&D performed for foreign affiliates ^e	na	na	NA	NA	NA	NA
R&D performed for others	na	na	NA	NA	NA	NA
R&D performed by others ^f (SIRD)						
In the United States	304	6,621	na	na	na	na
Overseas	466	19,495	na	na	na	na
R&D performed by others ^g (USDIA survey)						
U.S. parent companies	na	na	NA	NA	NA	NA
MOFA's	na	na	NA	NA	NA	NA
Employees	1,143	6,651	1,132	6,891	2,820	2,143
R&D employees ^h	1,131	522	NA	NA	NA	NA
Wholesale trade						
Sales ^c	40	170,812	86	514,884	78	18,544

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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
R&D performed	40	578	62	4,602	78	316
Character of work (SIRD)						
Basic research	11	D	na	na	na	na
Applied research	17	D	na	na	na	na
Development	36	441	na	na	na	na
Source of funding (SIRD)						
Company-funded R&D ^d	40	D	na	na	na	na
Federally funded R&D	1	D	na	na	na	na
Source of funding (USDIA survey)						
R&D performed for federal government	na	na	NA	NA	NA	NA
R&D performed for themselves	na	na	NA	NA	NA	NA
R&D performed for foreign affiliates ^e	na	na	NA	NA	NA	NA
R&D performed for others	na	na	NA	NA	NA	NA
R&D performed by others ^f (SIRD)						
In the United States	6	4	na	na	na	na
Overseas	11	56	na	na	na	na
R&D performed by others ^g (USDIA survey)						
U.S. parent companies	na	na	NA	NA	NA	NA
MOFA's	na	na	NA	NA	NA	NA
Employees	40	106	86	580	78	32
R&D employees ^h	39	8	NA	NA	NA	NA
Nonmanufacturing, excluding wholesale trade						
Sales ^c	331	1,106,000	307	962,804	273	79,414
R&D performed	326	32,305	173	27,409	273	2,027
Character of work (SIRD)						
Basic research	83	D	na	na	na	na
Applied research	147	D	na	na	na	na
Development	303	27,241	na	na	na	na
Source of funding (SIRD)						
Company-funded R&D ^d	325	D	na	na	na	na
Federally funded R&D	27	D	na	na	na	na
Source of funding (USDIA survey)						
R&D performed for federal government	na	na	NA	NA	NA	NA
R&D performed for themselves	na	na	NA	NA	NA	NA
R&D performed for foreign affiliates ^e	na	na	NA	NA	NA	NA
R&D performed for others	na	na	NA	NA	NA	NA
R&D performed by others ^f (SIRD)						
In the United States	94	805	na	na	na	na
Overseas	134	3,909	na	na	na	na
R&D performed by others ^g (USDIA survey)						

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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
U.S. parent companies	na	na	NA	NA	NA	NA
MOFA's	na	na	NA	NA	NA	NA
Employees	331	3,848	307	3,500	272	377
R&D employees ^h	326	176	NA	NA	NA	NA

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 NSF 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, 1,531 parent companies were linked to USDIA survey; of these, 1,151 were classified in manufacturing industries, 41 were classified in wholesale trade industries, and 339 were classified in nonmanufacturing industries, excluding wholesale trade. In USDIA survey, 1,529 parent companies were linked to SIRD; of these, 859 were classified in manufacturing industries, 86 were classified in whole trade industries, and 584 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/Division of Science Resources Statistics, U.S. Bureau of Economic Analysis, and U.S. Census Bureau. R&D Data Link Project, 2004–07.