TABLE 45. R&D performance by matched U.S. parent companies and SIRD sample companies, by character of work: SIRD 2005

Character of work	Companies[a]	R&D performance (US$millions)		
		All industries	Manufacturing	Nonmanufacturing
SIRD sample companies				
All R&D	9,720	217,915	160,456	57,460
Basic research	2,011	8,468	6,619	1,850
Applied research	4,447	43,022	32,531	10,492
Development	8,790	166,425	121,306	45,119
SIRD matched U.S. parent companies				
All R&D	1,499	164,487	131,604	32,883
Basic research	435	5,814	5,170	645
Applied research	795	30,665	26,108	4,557
Development	1,401	128,008	100,326	27,681
	Matched as percent of SIRD sample (%)			
All R&D	15.4	75.5	82.0	57.2
Basic research	21.6	68.7	78.1	34.9
Applied research	17.9	71.3	80.3	43.4
Development	15.9	76.9	82.7	61.4

BEA = Bureau of Economic Analysis; SIRD = Survey of Industrial Research and Development; USDIA = U.S. Direct Investment Abroad.

[a] Companies in all industries reporting non-zero value for item.

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. SIRD is a sample survey, with sample stratified by size and industry. Estimates for total U.S. industrial R&D activity published elsewhere are computed by weighting data in SIRD sample to universe totals. Data for SIRD sample companies in this table do not cover total U.S. industrial R&D activity; data cover only companies included in SIRD sample. Data for U.S. parent companies were matched to data for companies included in SIRD sample. Data presented in this table cover only parent companies included in sample; that is, data for matched U.S. parent companies have not been weighted, so they do not represent universe of all such companies. Detail may not add to total because of rounding.

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.