

TABLE 20. R&D performance by matched U.S. parent companies and SIRD sample companies, by character of work: SIRD 2004

Character of work	Companies ^a	R&D performance (US\$millions)		
		All industries	Manufacturing	Nonmanufacturing
SIRD sample companies				
All R&D	8,743	203,656	151,525	52,131
Basic research	1,833	7,936	6,142	1,795
Applied research	4,049	43,063	31,316	11,747
Development	7,861	152,657	114,067	38,589
SIRD matched U.S. parent companies				
All R&D	1,497	157,935	124,965	32,970
Basic research	457	5,951	5,192	759
Applied research	800	32,591	25,813	6,779
Development	1,408	119,393	93,960	25,432
Matched as percent of SIRD sample (%)				
All R&D	17.1	77.5	82.5	63.2
Basic research	24.9	75.0	84.5	42.3
Applied research	19.8	75.7	82.4	57.7
Development	17.9	78.2	82.4	65.9

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.