

TABLE 22

## Domestic and foreign R&amp;D paid for by the company and others and performed by the company, by type of R&amp;D and selected industry for companies that performed foreign R&amp;D: 2015

(Millions of U.S. dollars)

Industry	NAICS code	Total	Paid for by company	Paid for by others	Research (basic and applied)			Development				
					Total	Paid for by company	Paid for by others	Total	Paid for by company	Paid for by others		
Domestic R&D performance												
All industries	21-23, 31-33, 42-81	256,727	221,750	34,977	50,516	41,587	8,929	206,211	180,163	26,048	i	
Manufacturing industries	31-33	177,607	151,117	26,490	40,432	33,723	6,710	137,175	117,394	19,780		
Chemicals	325	42,052	39,922	2,130	14,876	14,127	749	27,177	25,796	1,381		
Pharmaceuticals and medicines	3254	D	D	D	D	D	D	D	D	D		
Other chemicals	other 325	D	D	D	D	D	D	D	D	D		
Computer and electronic products	334	62,300	56,940	5,360	9,201	8,532	669	53,100	48,408	4,692		
Semiconductors and other electronic components	3344	28,033	27,141	892	4,513	4,504	9	23,520	22,637	883	i	
Other computer and electronic products	other 334	34,267	29,799	4,469	4,688	4,028	660	29,579	25,770	3,809		
Nonmanufacturing industries	21-23, 42-81	79,120	70,633	8,487	10,084	7,865	2,219	69,037	62,769	6,268	i	
Information	51	55,198	54,915	284	5,027	4,908	119	50,171	50,007	164		
Software publishers	5112	29,414	29,182	232	3,031	2,944	87	26,383	26,239	145		
Other information	other 51	25,784	25,733	51	1,996	1,964	32	23,788	23,769	19		
Professional, scientific, and technical services	54	17,300	9,398	7,902	3,684	1,658	2,026	13,616	7,740	5,876	i	
Scientific R&D services	5417	7,306	351	6,956	1,375	140	1,235	5,932	211	5,721	i	
Other professional, scientific, and technical services	other 54	9,994	9,048	946	2,310	1,518	791	7,684	7,529	155	i	
Foreign R&D performance												
All industries	21-23, 31-33, 42-81	73,691	67,822	5,868	18,496	17,552	944	55,195	50,270	4,925	i	
Manufacturing industries	31-33	51,919	50,616	1,304	13,300	13,056	243	38,620	37,559	1,060	i	
Chemicals	325	13,146	12,919	227	3,498	3,431	67	9,648	9,488	159		
Pharmaceuticals and medicines	3254	10,591	10,387	205	2,464	2,415	49	8,127	7,972	156		
Other chemicals	other 325	2,555	2,532	22	1,034	1,016	19	1,521	1,517	4		
Computer and electronic products	334	20,674	20,362	312	6,540	6,480	60	14,134	13,882	252	i	
Semiconductors and other electronic components	3344	9,896	9,818	78	1,813	1,807	5	8,084	8,011	73	i	
Other computer and electronic products	other 334	10,778	10,543	234	4,728	4,673	55	6,050	5,870	180	i	
Nonmanufacturing industries	21-23, 42-81	21,771	17,207	4,565	5,196	4,496	700	16,575	12,711	3,864	i	
Information	51	12,523	12,507	15	1,728	1,726	2	10,794	10,781	13		
Software publishers	5112	8,832	8,823	9	1,310	1,310	*	7,522	7,513	9		
Other information	other 51	3,691	3,684	7	418	416	2	3,272	3,267	5		
Professional, scientific, and technical services	54	7,650	3,139	4,511	3,278	2,580	698	4,373	560	3,813	i	
Scientific R&D services	5417	4,378	77	4,300	543	24	519	3,835	54	3,782	i	
Other professional, scientific, and technical services	other 54	3,273	3,062	211	2,735	2,556	179	538	506	32		

\* = amount &lt; \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = &gt; 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

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(Millions of U.S. dollars)

**Note(s)**

Detail may not add to total because of rounding. Industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. Statistics are representative of companies located in the United States that performed foreign R&D.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2015.