

TABLE 48-B
R&D paid for by the company and others and performed by the company outside of the United States, by selected location, industry, and company size: 2015 (part B)
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total outside United States	Argentina	Brazil	Chile	Mexico	Other Latin American locations	Australia	China	Hong Kong	India	Indonesia	Japan	Malaysia	New Zealand	Singapore	South Korea	Taiwan	Thailand	Other Asian or Pacific locations	Israel	Other Middle Eastern locations	South Africa	Other African locations	Undistributed	
All industries	21-23, 31-33, 42-81	73,691	289	1,413	76	793	1,873	1,305	6,265	187	5,534	31	2,684	809	105	1,707	1,148	970	199	748	3,530	172	174	77	2,277	i
Manufacturing industries	31-33	51,919	204	1,197	45	669	1,590	877	4,633	129	2,950	28	1,962	788	53	1,381	1,043	767	175	536	2,452	116	58	59	1,422	i
Food	311	1,232	9	73	i 1	i 25	22	59	59	6	i 11	i 5	i 39	i 3	i 3	19	5	7	i 7	24	*	3	i 5	i 2	i 176	i
Chemicals	325	13,146	133	302	35	124	127	269	745	35	245	10	791	6	12	238	118	64	15	52	84	42	34	46	54	i
Pharmaceuticals and medicines	3254	10,591	79	138	24	72	91	250	485	16	207	7	666	4	7	196	46	33	8	26	76	24	21	43	21	i
Other chemicals	other 325	2,555	53	164	11	51	36	19	260	19	38	2	i 125	2	5	42	72	31	7	27	8	18	13	4	33	i
Plastics and rubber products	326	358	4	15	0	11	11	1	57	1	1	*	24	0	0	0	2	0	4	11	0	0	0	0	13	i
Nonmetallic mineral products	327	228	0	*	0	4	0	*	13	0	1	0	41	0	0	0	56	29	0	0	19	0	0	0	2	i
Fabricated metal products	332	193	2	2	*	4	*	1	18	0	5	*	1	1	*	3	2	1	*	*	0	2	*	*	2	i
Machinery	333	3,292	2	64	*	13	91	74	345	5	112	0	52	7	11	109	15	25	1	8	i 66	6	3	i *	352	
Computer and electronic products	334	20,674	30	75	1	139	1,247	91	2,428	46	2,272	2	734	762	22	848	226	583	114	339	i 2,171	20	6	5	710	i
Electrical equipment, appliances, and components	335	1,351	*	113	i *	14	12	5	240	5	24	*	45	*	*	38	23	8	*	13	0	2	0	0	21	i
Transportation equipment	336	8,413	11	514	*	299	D	263	441	12	i 248	*	82	2	i *	8	553	28	17	10	D	2	7	4	D	
Miscellaneous manufacturing	339	2,183	10	18	6	i D	D	107	227	11	26	1	D	7	6	89	29	22	6	56	D	40	1	1	D	
Other manufacturing	312-16, 321-24, 331, 337	850	5	21	1	D	31	6	59	7	i 4	10	D	1	0	30	14	1	10	24	0	*	2	0	D	
Nonmanufacturing industries	21-23, 42-81	21,771	85	216	31	124	283	428	1,633	58	2,584	2	723	i 21	52	326	i 105	203	23	212	1,078	56	116	18	855	i
Wholesale trade	42	25	i 0	0	*	0	0	0	4	1	0	0	*	0	0	0	0	0	*	0	0	0	0	0	7	i
Information	51	12,523	17	i 74	13	49	i 182	218	1,019	38	1,830	1	224	4	41	117	37	102	4	146	751	29	60	7	D	
Telecommunications	517	41	0	0	0	0	*	1	2	1	11	0	0	0	0	*	3	2	0	0	0	0	0	0	2	i
Data processing, hosting, and related services	518	1,261	*	3	*	1	26	25	15	1	174	0	10	1	24	13	3	4	*	5	87	1	53	0	70	i
Other information	other 51	11,220	17	i 71	13	48	i 156	192	1,002	36	1,645	1	214	3	16	103	32	96	3	141	664	28	7	7	D	
Professional, scientific, and technical services	54	7,650	65	103	14	53	99	175	562	10	552	2	403	i 6	12	179	i 61	100	10	64	316	5	56	10	551	i
Architectural, engineering, and related services	5413	58	0	*	0	0	0	1	4	0	*	0	2	0	*	0	*	1	0	*	0	*	0	*	6	i
Scientific research and development services	5417	4,378	62	57	12	29	26	72	219	i 9	164	i 1	339	i 6	9	159	i 61	40	10	11	44	5	55	4	390	i
Biotechnology research and development	541711	1,518	5	6	3	5	5	22	62	2	2	0	13	1	2	8	12	13	1	0	17	0	2	0	387	i
Data processing, hosting, and related services	other 5417	2,860	57	51	10	24	20	50	158	i 7	162	i 1	326	i 5	6	151	i 49	26	9	11	27	5	52	4	3	i
Other professional, scientific, and technical services	other 54	3,214	3	46	2	24	73	102	338	*	388	*	62	*	3	19	*	60	*	53	i 272	*	2	6	154	i
Other nonmanufacturing	21-23, 44-45, 48-49, 52-53, 55-56, 621-24, 71-72, 81	1,573	2	38	3	21	2	35	48	10	201	*	96	10	*	30	7	i 1	10	1	12	22	*	1	i D	
All companies (number of domestic employees)	-	73,691	289	1,413	76	793	1,873	1,305	6,265	187	5,534	31	2,684	809	105	1,707	1,148	970	199	748	3,530	172	174	77	2,277	i
Micro companies ^a	-	118	i 0	0	0	0	0	4	19	1	*	0	*	0	*	0	0	2	0	0	9	*	0	0	58	i
5-9	-	118	i 0	0	0	0	0	4	19	1	*	0	*	0	*	0	0	2	0	0	9	*	0	0	58	i
Small companies	-	76	1	0	0	0	0	2	16	0	6	0	*	0	0	1	0	2	0	3	4	0	0	0	27	i
10-19	-	76	1	0	0	0	0	2	16	0	6	0	*	0	0	1	0	2	0	3	4	0	0	0	27	i
20-49	-	375	4	1	1	2	*	11	58	1	18	0	5	*	0	1	23	18	*	1	11	0	40	0	D	

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Medium companies																												
50-99	-	406	2	*	0	4	*	3	16	*	62	0	7	*	*	3	3	33	0	*	3	0	1	0	41	i		
100-249	-	1,389	3	7	1	5	82	14	153	18	100	10	13	*	5	52	2	46	1	31	16	1	*	*	D			
Large companies																												
250-499	-	1,122	7	8	*	18	3	13	164	5	107	*	29	2	23	39	9	57	1	16	58	0	1	0	50	i		
500-999	-	2,426	8	8	*	17	4	106	216	22	114	1	79	i	216	i	1	71	16	51	6	5	91	1	*	*	188	i
1,000-4,999	-	13,516	25	102	10	73	268	157	1,199	41	1,090	4	293	i	60	i	31	221	84	177	25	286	i	499	38	27	5	D
5,000-9,999	-	9,498	18	84	7	69	587	161	508	15	929	1	378	238	11	265	126	78	115	150	243	15	7	3	541			
10,000-24,999	-	11,543	149	393	29	133	199	217	840	20	523	6	943	17	14	627	189	96	22	133	129	71	73	16	163	i		
25,000 or more	-	33,221	73	810	28	472	729	617	3,076	63	2,583	9	938	276	21	427	696	410	29	122	2,468	46	25	54	*	i		

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

NAICS = 2012 North American Industry Classification System.

^a Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

Note(s)

Detail may not add to total because of rounding. Country detail was not asked on Form BRDI-1(S). 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 or funded 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.