

Table 3**Foreign R&D reported by U.S.-located businesses, by selected industry and host country: 2019**

(Millions of U.S. dollars)

Industry	NAICS code	Total outside the United States	United Kingdom	India	Germany	China	Canada	Israel	Switzerland	Ireland	Japan	France
All industries	21-23, 31-33, 42-81	104,464	11,797	9,846	8,879	8,195	6,862	5,974	4,536	4,207	4,090	3,313
Manufacturing industries	31-33	64,351	5,565	4,483	6,917	5,923	3,610	3,894	2,946	2,281	2,722	2,091
Chemicals	325	18,568	2,224	400	1,128	1,043	789	276	1,772	1,454	1,219	711
Pharmaceuticals and medicines	3254	15,868	1,964	350	810	803	684	214	1,724	1,453	1,139	606
Machinery	333	4,251	375	384	678	396	147	363	187	15	190	392
Computer and electronic products	334	25,452	1,422	3,216	2,078	2,470	1,764	3,061	331	507	798	461
Semiconductor and other electronic components	3344	13,007	411	1,549	823	1,530	665	2,207	79	269	326	195
Electrical equipment, appliances, and components	335	1,743	117	50	261	370	286	0-19	67	8	75	52
Transportation equipment	336	7,812	907	226	2,020	999	325	4	8	13	103	167
Motor vehicles, bodies, trailers, and parts	3361-63	6,993	736	212	1,895	989	231	4	0-9	13	99	98
Aerospace products and parts	3364	585	151	0-15	97	0-11	35	0	0-9	0	4	0-54
Nonmanufacturing industries	21-23, 42-81	40,113	6,233	5,364	1,961	2,272	3,252	2,080	1,590	1,926	1,369	1,221
Information	51	19,051	2,984	3,231	636	1,173	1,877	1,346	1,032	851	237-349	549
Publishing	511	6,949	671	1,446	235	690	1,015	468	72	0-332	84	225
Software publishers	5112	6,949	671	1,446	235	690	1,015	468	72	0-332	84	225
Data processing, hosting, and related services	518	5,891	591	1,530	198	347	634	403	0-205	317	44	205
Professional, scientific, and technical services	54	14,790	2,506	1,347	764	774	1,003	554	530	338-457	665	574
Computer systems design and related services	5415	5,370	417	994	322	347	458	463	94	244-365	70	114
Scientific research and development services	5417	9,006	2,050	267	417	403	491	74	435	93	595	425
Research and development in biotechnology	541711	2,793	904	103	131	195	117	24	404	4	145	106

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Research and development in the physical, engineering, and life sciences (except biotechnology)	541712	6,205 i	1,146 i	163 i	286 i	208 i	374	49 i	31 i	89 i	449 i	320 i

i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = North American Industry Classification System.

Note(s):

An estimate range may be displayed in place of a single estimate to avoid disclosing operations of individual companies.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2019.