

TABLE 44

**R&D paid for by the company and others and performed by the company outside of the United States, by selected location: 2022**

(Millions of U.S. dollars)

Location	Total		Paid for by the company		Paid for by others	
Total	149,584		135,009		14,575	i
Puerto Rico <sup>a</sup>	271		248		23	
Canada	11,083		10,096		987	
Latin America and other Western Hemisphere <sup>b</sup>	5,945		5,234		711	i
Argentina	544	i	344		200	i
Brazil	1,623		1,445		178	i
Chile	271	i	239	i	32	i
Mexico	1,649		1,419		230	i
Other Latin American and Western Hemisphere locations	1,858	i	1,787	i	71	i
Africa	633		455		177	i
South Africa	344	i	179		165	i
Other African locations	288		276		12	i
Asia and Pacific	52,070		48,282		3,789	i
Australia	2,718		2,439		279	i
China	13,052		12,067		984	i
Hong Kong	566		542		24	i
India	18,266		17,567		699	i
Indonesia	39		37		2	i
Japan	5,293		4,394		899	i
Malaysia	1,233		1,214		19	i
New Zealand	266		220		45	i
Singapore	4,003		3,697		306	i
South Korea	1,972		1,770		203	i
Taiwan	3,276		3,109		166	
Thailand	386		360		25	i
Other Asian or Pacific locations	1,001	i	865		137	i
Europe	68,744		60,080		8,664	i
Austria	629		507		122	i
Belgium	3,502		3,248		254	i
Czechia	970		832		138	i
Denmark	974		888		86	
Finland	774		706		68	i
France	4,413		3,680		733	i
Germany	10,326		9,524		801	i
Hungary	435		305		131	i
Ireland	5,596		5,381		215	i
Italy	1,944		1,606		338	i
Luxembourg	427	i	D		D	
Netherlands	3,872		3,495		376	i
Norway	453		414		39	
Poland	1,484		1,258		226	i
Russia	870	i	696		173	i
Spain	1,932		1,589		343	i
Sweden	1,527		1,404		124	i
Switzerland	6,471		5,782		689	
Turkey	357	i	D		D	
United Kingdom	17,335		14,259		3,075	i
Other European locations	4,453		3,827		625	i
Middle East	10,429		10,230		199	i
Israel	10,025		9,847		178	i
Other Middle Eastern locations	404		384		20	i

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Location	Total		Paid for by the company		Paid for by others	
Undistributed <sup>c</sup>	410	i	384	i	26	i

D = data withheld to avoid disclosing operations of individual companies; i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

<sup>a</sup> Puerto Rico is not included in the U.S. total due to its classification as a U.S. territory.

<sup>b</sup> Other Western Hemisphere is defined as Argentina, Brazil, Chile, Mexico, and other Latin America.

<sup>c</sup> Includes data reported that were not allocated to a specific country.

**Note(s):**

Detail may not add to total because of rounding. Country detail was not collected from companies reporting less than \$1 million of R&D paid for by the company or reporting less than \$1 million of R&D paid for by others. Statistics are representative of companies located in the United States that performed or funded \$50,000 or more of R&D and are not comparable with estimates published for years prior to 2018.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2022.