

Table 4**Funds spent for business R&D performed in the United States, by state and source of funds: 2018**

(Millions of U.S. dollars)

State	All R&D ^a	Paid for by the company	Paid for by others
United States	441,036	377,806	63,230
Alabama	2,236	1,284	952
Alaska	25 e	20 e	5
Arizona	6,203	4,673	1,530
Arkansas	471	423	48
California	144,524	129,656	14,868
Colorado	5,032	4,286	746
Connecticut	7,488	6,193	1,295
Delaware	2,375 i	1,432 i	942 i
District of Columbia	400	278	122
Florida	6,489	4,498	1,991 i
Georgia	5,067	4,094	973 i
Hawaii	146	89	57
Idaho	2,556	2,376	180
Illinois	13,182	12,239	943
Indiana	6,976	6,004	972
Iowa	3,315	2,556	759
Kansas	2,593	1,645	948
Kentucky	1,435	1,178	257
Louisiana	415	359	56
Maine	285	266	19
Maryland	6,016	4,227	1,789
Massachusetts	27,282	22,581	4,702
Michigan	22,412	20,323	2,089
Minnesota	7,405	7,021	384
Mississippi	276	250	26
Missouri	7,171 i	3,976	3,195 i
Montana	180	157	23
Nebraska	570	513	57
Nevada	960	638	322 i
New Hampshire	2,566	992	1,573
New Jersey	20,251	16,843	3,408
New Mexico	699	374	325 i
New York	17,515	15,370	2,144
North Carolina	11,716	7,790	3,926
North Dakota	312	284	28
Ohio	9,646	6,820	2,825
Oklahoma	868	822	47
Oregon	8,751	8,446	304
Pennsylvania	12,104	10,633	1,471
Rhode Island	703	663	39
South Carolina	1,670	1,462	208
South Dakota	201	179	22
Tennessee	1,440	1,184	255
Texas	20,929	18,267	2,662
Utah	3,025	2,642	383
Vermont	300	233	67
Virginia	5,725	4,092	1,633

Table 4**Funds spent for business R&D performed in the United States, by state and source of funds: 2018**

(Millions of U.S. dollars)

State	All R&D ^a	Paid for by the company	Paid for by others
Washington	30,305	29,498	807
West Virginia	238 i	209 i	29
Wisconsin	5,966	5,334	632
Wyoming	39	34	5
Undistributed funds ^b	2,584	2,399	186

e = more than 50% the value of the state estimate uses a hybrid estimator modeling technique; see "Survey Information and Data Availability" for more details. i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

^a All R&D is the cost of domestic R&D paid for by the respondent company and others outside of the company and performed by the company.

^b Includes data reported that were not allocated to a specific state by multi-establishment companies. For single-establishment companies, data reported were allocated to the state in the address used to mail the survey form.

Note(s)

Beginning in survey year 2018, companies that performed or funded less than \$50,000 of R&D were excluded from tabulation. These companies in aggregate represented a very small share of total R&D expenditures in prior years. Had the companies under this threshold been included in the 2018 estimates, they would have contributed approximately \$90 million to overall R&D expenditures. Excludes data for federally funded research and development centers.

Source(s)

National Center for Science and Engineering Statistics and U.S. Census Bureau, Business Research and Development Survey, 2018.