

TABLE 13

Domestic R&D paid for by the company and others and performed by the company, by source of funds and state: 2021

(Millions of U.S. dollars)

State	Total	Paid for by the company		Paid for by others		
				Total	Federal	Nonfederal
All states	602,499		527,804	74,695	23,582	51,113
Alabama	2,910		1,383	1,528	1,209	319
Alaska	207	i	188	18	0 - 19	0 - 19
Arizona	9,386		6,947	2,440	1,645	795
Arkansas	497		452	45	0 - 46	0 - 46
California	211,615		199,157	12,458	3,847	8,611
Colorado	8,098		7,213	886	599	286
Connecticut	8,429		6,887	1,543	1,356	187
Delaware	3,592		2,137	1,455	11	1,444
District of Columbia	744		652	92	57	35
Florida	9,688		7,545	2,143	1,310	834
Georgia	6,448		5,249	1,199	101	1,098
Hawaii	409		372	38	0 - 38	0 - 38
Idaho	2,258		2,203	54	5	49
Illinois	16,485		15,398	1,087	60	1,027
Indiana	9,514	i	7,888	1,627	123	1,504
Iowa	3,045		2,338	707	0 - 708	0 - 708
Kansas	2,748		1,960	788	29	760
Kentucky	1,486		897	590	265	325
Louisiana	530		444	86	45	41
Maine	499		444	55	37	18
Maryland	6,432		4,550	1,882	1,218	664
Massachusetts	39,749		33,937	5,812	1,554	4,258
Michigan	22,381		19,420	2,962	299	2,663
Minnesota	8,248		7,754	494	128	365
Mississippi	343		307	36	0 - 37	0 - 37
Missouri	7,060		4,927	2,133	0 - 2,134	0 - 2,134
Montana	261		237	24	3	21
Nebraska	1,067		1,004	62	12	50
Nevada	1,033		757	276	20	256
New Hampshire	3,183		1,461	1,723	1,391	332
New Jersey	25,049		20,091	4,958	95	4,863
New Mexico	1,693		1,351	342	314	28
New York	26,319		23,939	2,379	634	1,746
North Carolina	15,490		9,812	5,678	140	5,537
North Dakota	343		330	12	2	10
Ohio	11,545		7,814	3,730	820	2,911
Oklahoma	1,056		969	87	54	33
Oregon	11,292		10,954	338	107	230
Pennsylvania	17,555		14,541	3,014	290	2,725
Rhode Island	837		689	149	121	28
South Carolina	1,857		1,601	256	125	131
South Dakota	221		213	8	1	7
Tennessee	2,776	i	1,802	974	72	902
Texas	28,264		24,495	3,770	1,035	2,735
Utah	3,962		3,730	232	62	170
Vermont	456		434	22	0 - 23	0 - 23
Virginia	8,179		6,330	1,849	1,342	506
Washington	49,083		47,644	1,440	190	1,250
West Virginia	522	i	435	86	74	12

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Wisconsin	6,781	5,723	1,058	61	997
Wyoming	93	88	5	2	2
Undistributed ^a	780	712	67	0 - 68	0 - 68

e = more than 50% of value is modeled—see "Technical Notes"; i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

^a 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):

Detail may not add to total because of rounding. For a given estimate in this table, if the conditions are satisfied for both the "i" and "e" flags, the e flag is assigned because the imputation rate may be found in the corresponding table of imputation rates (available from the Survey Manager upon request). 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. 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, 2021.