

TABLE 12

## Total R&amp;D cost for companies with 1–9 employees, by state and source of funds: 2017

(Thousands of U.S. dollars)

State	Total	Paid for by the company	Foreign owner	Another U.S. company	Other businesses outside the United States	U.S. university or college	U.S. nonprofit organization	U.S. federal government	U.S. state or local government	All other organizations outside the United States
All states	6,655,717	5,345,991	195,846	235,492	73,188	17,742	15,548	697,014	21,483	53,412
Alabama	41,998	28,046	S	1,643 r	0	S	0	11,619 r	0	0
Alaska	1,762	S	0	S	0	0	0	0	0	0
Arizona	93,726	81,966	0	1,455 r	605 r	596	S	8,574	S	0
Arkansas	41,854	30,699	0	S	0	S	0	S	S	0
California	1,883,619	1,553,847	71,553	62,240	37,153	1,899	2,190	131,544	1,458	21,734
Colorado	212,766	191,880	2,773 r	1,419	404 r	0	1,723 r	14,485	S	0
Connecticut	76,256	62,655	S	1,498 r	S	S	0	10,646	S	0
Delaware	44,481	40,604	0	S	811 r	0	0	S	S	0
District of Columbia	31,798	24,850	S	S	S	0	0	S	0	0
Florida	289,938	259,190	4,226	4,478	S	S	S	17,888	0	2,499 r
Georgia	119,150	99,582	S	4,101 r	2,511 r	701 r	S	11,546	S	586 r
Hawaii	7,096	4,390	0	S	0	S	S	S	S	0
Idaho	8,927	6,425	0	S	0	0	0	S	0	0
Illinois	154,752	129,157	S	3,064	0	S	S	18,694	0	0
Indiana	40,120	25,176	S	1,833 r	S	S	0	9,738 r	1,747 r	0
Iowa	28,418	25,060	0	S	0	S	0	2,988 r	S	S
Kansas	30,652	22,723	S	S	S	0	2,399 r	S	S	0
Kentucky	24,491	14,695	0	S	S	0	0	6,229	1,415 r	0
Louisiana	30,128	19,988	0	S	0	S	S	5,404	0	0
Maine	20,348	11,282	0	S	0	0	0	S	S	0
Maryland	203,806	146,939	S	7,739	S	S	S	34,947	S	S
Massachusetts	383,529	317,512	S	17,910	S	S	S	40,405	626	S
Michigan	80,825	53,880	S	5,074	1,806	S	S	16,339	S	S
Minnesota	110,546	98,102	S	1,593 r	0	S	S	2,764	S	S
Mississippi	4,856	4,280	0	400	S	0	0	S	0	0
Missouri	56,914	49,934	S	S	0	S	S	3,021	0	0
Montana	17,957	9,508	0	1,823	S	920 r	0	4,287	1,059 r	0
Nebraska	8,451	8,060	0	S	S	0	0	S	S	0
Nevada	40,025	36,965	0	1,614	S	S	0	S	0	0
New Hampshire	36,500	28,549	0	S	S	0	0	S	0	0
New Jersey	257,043	206,689	18,045	16,055 r	1,589 r	S	S	13,579	S	436 r
New Mexico	37,502	19,644	0	S	0	0	0	16,910 r	S	0
New York	409,416	319,535	4,767	17,156	12,524	1,790 r	163 r	48,565	1,510 r	3,406 r

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North Carolina	193,409	118,190	8,710	9,654	S	S	S	54,218	S	0
North Dakota	10,060	6,652	0	0	S	0	0	S	0	0
Ohio	149,355	130,218	S	2,849	S	S	S	9,376	S	S
Oklahoma	14,671	12,186	0	S	0	0	0	S	S	0
Oregon	198,541	146,717	S	8,184	1,412	S	0	32,293	193 r	0
Pennsylvania	242,738	197,260	4,777 r	8,842	S	682	S	28,308	995	0
Rhode Island	23,157	23,026	0	S	0	0	0	S	0	0
South Carolina	58,175	52,919	0	S	0	0	S	S	S	0
South Dakota	5,057	4,541	0	S	0	0	S	S	0	0
Tennessee	49,173	36,493	S	S	S	S	S	S	S	0
Texas	329,140	276,430	13,857	4,011	S	S	402 r	16,235	2,224	13,924 r
Utah	79,606	66,048	0	S	0	S	S	8,053	S	3,700 r
Vermont	7,375	5,087	0	S	0	S	0	2,151 r	S	0
Virginia	161,665	118,605	1,643 r	7,463 r	1,398	S	0	31,997	S	S
Washington	216,907	157,371	21,407	6,165	1,290	S	0	28,365	1,805 r	S
West Virginia	1,355	1,173	0	S	0	0	0	0	0	0
Wisconsin	62,366	43,579	S	2,319 r	0	1,639 r	S	12,675	652 r	0
Wyoming	12,602	9,435	0	S	0	0	0	S	S	S
Undistributed	10,717 r	7,299 r	S	S	0	0	0	0	0	0

r = relative standard error &gt; 50%; S = data withheld to avoid disclosing operations of individual companies.

**Note(s):**

Detail may not add to total because of rounding. Statistics are representative of companies located in the United States that performed or funded R&amp;D.

**Source(s):**

National Center for Science and Engineering Statistics and U.S. Census Bureau, Annual Business Survey, 2017.