

TABLE 8

## Total R&amp;D performance for companies with 1–4 employees, by state and type of R&amp;D: 2016

(Thousands of U.S. dollars)

State	Total	Basic research	Applied research	Development
All states	4,843,494	409,200	1,852,038	2,582,255
Alabama	14,155	1,421	6,355	6,379
Alaska	1,154	176	206	772
Arizona	70,950	4,715	30,144	36,091
Arkansas	14,411	s	6,056	7,268
California	1,194,408	89,716	432,278	672,414
Colorado	114,389	9,986	43,843	60,560
Connecticut	71,880	6,712	15,432	49,737
Delaware	7,971	494	2,437	5,040
District of Columbia	11,965	132	4,544	7,289
Florida	237,130	30,809	94,911	111,409
Georgia	93,933	10,557	38,539	44,837
Hawaii	s	s	s	s
Idaho	s	s	s	s
Illinois	162,022	12,879	61,370	87,773
Indiana	50,643	3,605	11,484	35,554
Iowa	30,624	s	9,180	19,105
Kansas	12,771	1,466	5,785	5,520
Kentucky	19,640	3,821	7,364	8,455
Louisiana	11,229	606	3,282	7,341
Maine	21,035	s	s	s
Maryland	150,978	11,726	73,172	66,081
Massachusetts	267,037	21,948	87,809	157,280
Michigan	67,411	7,340	23,754	36,317
Minnesota	121,090	s	51,997	51,242
Mississippi	3,395	s	628	2,377
Missouri	23,465	1,973	9,638	11,854
Montana	9,629	448	5,946	3,235
Nebraska	19,053	1,298	s	9,023
Nevada	48,748	5,853	15,750	27,144
New Hampshire	21,715	1,869	7,887	11,959
New Jersey	150,029	9,441	46,503	94,085
New Mexico	20,260	665	8,075	11,519
New York	390,061	19,808	205,001	165,253
North Carolina	165,762	6,885	69,363	89,514
North Dakota	s	s	s	s
Ohio	89,044	11,999	32,641	44,403
Oklahoma	45,354	s	16,404	23,510
Oregon	43,417	4,587	11,563	27,267
Pennsylvania	194,601	13,311	90,671	90,619
Rhode Island	15,570	890	3,232	11,448
South Carolina	38,267	4,851	18,278	15,137
South Dakota	5,823	695	1,181	3,948
Tennessee	32,301	1,832	10,519	19,949
Texas	302,041	29,005	99,548	173,487
Utah	43,950	4,076	17,091	22,782
Vermont	11,893	228	2,778	s
Virginia	149,361	8,994	59,328	81,039
Washington	131,326	18,450	44,627	68,249
West Virginia	1,396	191	604	600
Wisconsin	41,767	4,359	14,761	22,646
Wyoming	s	s	s	s

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**Total R&D performance for companies with 1–4 employees, by state and type of R&D: 2016**

(Thousands of U.S. dollars)

State	Total	Basic research	Applied research	Development
Undistributed	101	10	51	40

s = suppressed for reliability; standard error exceeds publication standards.

**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 Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Microbusiness R&amp;D and Innovation Survey, 2016.