

TABLE 14

Domestic R&D performed by companies, by source of funds and core-based statistical area: 2016

(Millions of U.S. dollars)

Core-based statistical area	CBSA code	Total	Paid for by the company		Paid for by others	
All locations		374,685		317,731		56,954
San Jose-Sunnyvale-Santa Clara, CA	41940	57,434		54,021		3,413
San Francisco-Oakland-Hayward, CA	41860	27,961		26,799		1,162
New York-Newark-Jersey City, NY-NJ-PA	35620	24,024	i	20,520	i	3,503
Boston-Cambridge-Newton, MA-NH	14460	19,899		16,952		2,947
Seattle-Tacoma-Bellevue, WA	42660	18,606		18,061		545
Los Angeles-Long Beach-Anaheim, CA	31080	15,803	i	11,607	i	4,195
Detroit-Warren-Dearborn, MI	19820	15,408		14,689		719
Chicago-Naperville-Elgin, IL-IN-WI	16980	10,626		8,851		1,774
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	37980	10,498	i	8,939	i	1,560
San Diego-Carlsbad, CA	41740	10,423	i	8,460	i	1,962
Minneapolis-St. Paul-Bloomington, MN-WI	33460	6,375		5,926		449
Portland-Vancouver-Hillsboro, OR-WA	38900	6,254		6,098		156
Dallas-Fort Worth-Arlington, TX	19100	5,698	i	4,299	i	1,399
Austin-Round Rock, TX	12420	5,250	i	5,022	i	228
Houston-The Woodlands-Sugar Land, TX	26420	5,007	i	4,364	i	643
Phoenix-Mesa-Scottsdale, AZ	38060	4,895	i	3,587	i	1,308
St. Louis, MO-IL	41180	4,809	i	2,556	i	2,252
Washington-Arlington-Alexandria, DC-VA-MD-WV	47900	4,691	i	2,773		1,918
Atlanta-Sandy Springs-Roswell, GA	12060	4,578		3,643		935
Norwich-New London, CT	35980	4,140	i	D		D
Indianapolis-Carmel-Anderson, IN	26900	4,013		3,175		838
Durham-Chapel Hill, NC	20500	3,564	i	2,139	i	1,425
Cincinnati, OH-KY-IN	17140	3,314		2,624		690
Baltimore-Columbia-Towson, MD	12580	3,109		1,496		1,612
Raleigh, NC	39580	3,060		1,883		1,177
Kansas City, MO-KS	28140	2,217		1,451		766
Oxnard-Thousand Oaks-Ventura, CA	37100	2,156	i	1,866	i	290
Salt Lake City, UT	41620	2,014	i	1,858	i	156
Miami-Fort Lauderdale-West Palm Beach, FL	33100	1,852	i	1,636	i	216
Columbus, OH	18140	1,845		683	i	1,162
Albany-Schenectady-Troy, NY	10580	1,835		1,597		238
Denver-Aurora-Lakewood, CO	19740	1,811	i	1,596	i	214
Pittsburgh, PA	38300	1,802	i	1,697	i	105
Charlotte-Concord-Gastonia, NC-SC	16740	1,758	i	1,644	i	114
Hartford-West Hartford-East Hartford, CT	25540	1,703		1,243		461
Milwaukee-Waukesha-West Allis, WI	33340	1,650		1,552		98
Madison, WI	31540	1,575		1,170		405
Boise City, ID	14260	1,469		1,292		177
Manchester-Nashua, NH	31700	1,428		388		1,040
Boulder, CO	14500	1,304	i	1,182	i	123
Trenton, NJ	45940	1,302		796		505
Peoria, IL	37900	1,285	i	1,262	i	23
Tampa-St. Petersburg-Clearwater, FL	45300	1,285	i	962		322
Cleveland-Elyria, OH	17460	1,276		1,129		147
Bridgeport-Stamford-Norwalk, CT	14860	1,232		D		D
Tucson, AZ	46060	1,214	i	840	i	373
Palm Bay-Melbourne-Titusville, FL	37340	1,168	i	334	i	834
Huntsville, AL	26620	1,139		385		753
Worcester, MA-CT	49340	1,131	i	860	i	271
Rochester, NY	40380	1,121	i	1,082	i	39

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Providence-Warwick, RI-MA	39300	1,088	i	1,015	i	72
Sacramento-Roseville-Arden-Arcade, CA	40900	1,061	i	710	i	351
Lancaster, PA	29540	1,014	i	909	i	105
Des Moines-West Des Moines, IA	19780	974		966		9
New Haven-Milford, CT	35300	813	i	791	i	23
Orlando-Kissimmee-Sanford, FL	36740	750	i	547	i	203
Buffalo-Cheektowaga-Niagara Falls, NY	15380	750	i	495	i	255
Akron, OH	10420	747		678		69
Cedar Rapids, IA	16300	746		D		D
Ogden-Clearfield, UT	36260	728		396		332
Riverside-San Bernardino-Ontario, CA	40140	706	i	643	i	63
Bloomington, IL	14010	699		694		5
Corning, NY	18500	659		659		*
Grand Rapids-Wyoming, MI	24340	652		545		108
Santa Rosa, CA	42220	613	i	600	i	14
Provo-Orem, UT	39340	604		521	i	83
Richmond, VA	40060	582	i	532	i	50
Greensboro-High Point, NC	24660	551	i	521	i	31
Jacksonville, FL	27260	545	i	453	i	92
Wichita, KS	48620	536		523		14
San Antonio-New Braunfels, TX	41700	536	i	469	i	68
Colorado Springs, CO	17820	526	i	390	i	136
Allentown-Bethlehem-Easton, PA-NJ	10900	497	i	480	i	16
Dayton, OH	19380	496	i	271	i	224
Oshkosh-Neenah, WI	36780	495		494		1
Omaha-Council Bluffs, NE-IA	36540	484		381		103
Syracuse, NY	45060	477	i	354		122
Ann Arbor, MI	11460	476		294	i	182
Niles-Benton Harbor, MI	35660	450		447		4
Memphis, TN-MS-AR	32820	448	i	430	i	19
Columbus, IN	18020	439		381	i	58
Santa Maria-Santa Barbara, CA	42200	438	i	313	i	125
Albuquerque, NM	10740	433	i	283		150
Kalamazoo-Portage, MI	28020	417		156		261
Midland, MI	33220	357		357		*
Greenville-Anderson-Mauldin, SC	24860	354	i	332	i	22
Davenport-Moline-Rock Island, IA-IL	19340	340		336		4
Nashville-Davidson--Murfreesboro--Franklin, TN	34980	338	i	286	i	52
Charleston-North Charleston, SC	16700	335		239		96
Pueblo, CO	39380	328		16	i	312
Waterloo-Cedar Falls, IA	47940	322	i	321	i	1
Lexington-Fayette, KY	30460	314		290		25
Spokane-Spokane Valley, WA	44060	312	i	290	i	23
Hickory-Lenoir-Morganton, NC	25860	307	i	300	i	7
Las Vegas-Henderson-Paradise, NV	29820	299	i	268	i	30
Fort Collins, CO	22660	295	i	274	i	21
Virginia Beach-Norfolk-Newport News, VA-NC	47260	290	i	132	i	158
Rochester, MN	40340	285	i	284	i	2
Dubuque, IA	20220	283		282		*
Kingsport-Bristol-Bristol, TN-VA	28700	271		D		D
All other CBSAs		20,353	i	17,141	i	3,212

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Locations outside a CBSA		2,689 i	2,198 i	491 i
Undistributed ^a		7,173	5,664	1,509

* = amount < \$500,000. D = data withheld to avoid disclosing operations of individual companies. e = estimated; more than 50% of the estimate is modeled—see Technical Notes. i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

CBSA = core-based statistical area.

^a Includes data reported on Form BRDI-1 that were not allocated to a specific state as well as data reported on Form BRDI-1(S) by multiestablishment companies. For single-establishment companies, data reported on Form BRDI-1(S) were allocated to the location of the address used to mail the form.

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&D. 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. A CBSA is a U.S. geographic area that consists of one or more counties (or equivalents) anchored by an urban center of at least 10,000 people plus adjacent counties that are socioeconomically tied to the urban center by commuting. CBSAs are defined by the Office of Management and Budget in the Executive Office of the President.

Source(s)

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