

TABLE 14

Domestic R&D performed by companies, by source of funds and core-based statistical area: 2017

(Millions of U.S. dollars)

Core-based statistical area	CBSA code	Total	Paid for by the company	Paid for by others
All locations		400,100	339,036	61,065
San Jose-Sunnyvale-Santa Clara, CA	41940	56,898	54,078	2,820
San Francisco-Oakland-Berkeley, CA	41860	33,156	31,289	1,867
Seattle-Tacoma-Bellevue, WA	42660	28,912	28,387	525
New York-Newark-Jersey City, NY-NJ-PA	35620	24,461	20,652	3,809
Boston-Cambridge-Newton, MA-NH	14460	21,949	17,380	4,569
Detroit-Warren-Dearborn, MI	19820	15,402	14,355	1,047
San Diego-Chula Vista-Carlsbad, CA	41740	13,423	11,343	2,080
Los Angeles-Long Beach-Anaheim, CA	31080	12,938	9,154	3,783
Chicago-Naperville-Elgin, IL-IN-WI	16980	11,612	10,140	1,472
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	37980	10,051	8,233	1,819
Austin-Round Rock-Georgetown, TX	12420	7,926	7,304	622
Portland-Vancouver-Hillsboro, OR-WA	38900	7,369	7,197	172
Dallas-Fort Worth-Arlington, TX	19100	7,007	5,146	1,861
Minneapolis-St. Paul-Bloomington, MN-WI	33460	6,434	6,030	403
Atlanta-Sandy Springs-Alpharetta, GA	12060	5,455	4,173	1,282
Washington-Arlington-Alexandria, DC-VA-MD-WV	47900	4,921	2,781	2,141
Phoenix-Mesa-Chandler, AZ	38060	4,786	3,483	1,302
Houston-The Woodlands-Sugar Land, TX	26420	4,313	3,794	519
St. Louis, MO-IL	41180	4,170	276 - 4,171	0 - 3,894
Indianapolis-Carmel-Anderson, IN	26900	4,167	3,399	768
Norwich-New London, CT	35980	4,069	175 - 4,070	0 - 3,894
Durham-Chapel Hill, NC	20500	4,036	2,403	1,633
Cincinnati, OH-KY-IN	17140	3,574	2,650	923
Baltimore-Columbia-Towson, MD	12580	3,042	1,496	1,545
Raleigh-Cary, NC	39580	2,664	1,877	787
Sacramento-Roseville-Folsom, CA	40900	2,440	1,748	692
Kansas City, MO-KS	28140	2,288	1,571	717
Columbus, OH	18140	2,167	865	1,303
Denver-Aurora-Lakewood, CO	19740	2,134	1,827	308
Miami-Fort Lauderdale-Pompano Beach, FL	33100	2,092	1,776	316
Oxnard-Thousand Oaks-Ventura, CA	37100	2,032	1,671	361
Trenton-Princeton, NJ	45940	1,939	1,291	647
Hartford-East Hartford-Middletown, CT	25540	1,875	1,279	597
Milwaukee-Waukesha, WI	33340	1,706	1,583	123
Madison, WI	31540	1,642	1,254	388
Charlotte-Concord-Gastonia, NC-SC	16740	1,641	1,585	56
Boise City, ID	14260	1,597	1,404	193
Bridgeport-Stamford-Norwalk, CT	14860	1,590	1,303	286
Pittsburgh, PA	38300	1,538	1,421	117
Providence-Warwick, RI-MA	39300	1,451	1,376	75
Cleveland-Elyria, OH	17460	1,380	1,209	171
Tampa-St. Petersburg-Clearwater, FL	45300	1,281	871	410
Boulder, CO	14500	1,272	1,140	131
Tucson, AZ	46060	1,267	757	511
Huntsville, AL	26620	1,252	411	842
Albany-Schenectady-Troy, NY	10580	1,146	1,057	89
Salt Lake City, UT	41620	1,106	976	130
Rochester, NY	40380	1,042	943	99
New Haven-Milford, CT	35300	1,019	0 - 1,020	0 - 1,020
Palm Bay-Melbourne-Titusville, FL	37340	989	199	790

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Worcester, MA-CT	49340	940		833		107 i
Ogden-Clearfield, UT	36260	917		443		475
Orlando-Kissimmee-Sanford, FL	36740	908		708		201 i
Cedar Rapids, IA	16300	903		0 - 904	i	0 - 904
Des Moines-West Des Moines, IA	19780	862 i		0 - 863	i	0 - 863
Manchester-Nashua, NH	31700	858 i		372		486 i
Kalamazoo-Portage, MI	28020	857		573		285
Riverside-San Bernardino-Ontario, CA	40140	820		721		99 i
Buffalo-Cheektowaga, NY	15380	790		593		197 i
Santa Maria-Santa Barbara, CA	42200	748 i		576		172 i
Akron, OH	10420	747		642		105 i
Grand Rapids-Kentwood, MI	24340	723		573		150
Albuquerque, NM	10740	716 i		249		468 i
Anchorage, AK	11260	715 i		711	i	4
Lansing-East Lansing, MI	29620	710 i		701	i	9 i
Provo-Orem, UT	39340	694		646		48
Corning, NY	18500	680 i		680	i	* e
Flint, MI	22420	655 i		652	i	3 i
Richmond, VA	40060	632		581		51 i
Bloomington, IL	14010	611		593		18 i
Ann Arbor, MI	11460	578		357		221
San Antonio-New Braunfels, TX	41700	553		478		76 i
Greensboro-High Point, NC	24660	543 i		510	i	33 i
Columbus, IN	18020	535 i		475	i	59
Lancaster, PA	29540	531 i		392	i	139 i
Syracuse, NY	45060	528 i		420		108 i
Santa Rosa-Petaluma, CA	42220	513 i		472		41 i
Allentown-Bethlehem-Easton, PA-NJ	10900	507		491		17 i
Wichita, KS	48620	497		487		9
Jacksonville, FL	27260	493 i		444		49 i
Colorado Springs, CO	17820	477 i		345	i	132 i
Omaha-Council Bluffs, NE-IA	36540	470		371		99 i
Niles, MI	35660	469		459		10 i
Fort Collins, CO	22660	443		420		22
Oshkosh-Neenah, WI	36780	438		437		1 e
Dayton, OH	19380	409		238		170
Salisbury, MD-DE	41540	406 i		396	i	10 i
Greenville-Anderson, SC	24860	401		385		16
Bakersfield, CA	12540	377 i		117		261 i
Savannah, GA	42340	368		364		5
Memphis, TN-MS-AR	32820	362		348		15 i
Lexington-Fayette, KY	30460	350		308		43
Las Vegas-Henderson-Paradise, NV	29820	350		329		21
Midland, MI	33220	325		324		1
Charleston-North Charleston, SC	16700	314		246		68
Tulsa, OK	46140	302		290		12 i
Davenport-Moline-Rock Island, IA-IL	19340	298		296		2 e
Nashville-Davidson-Murfreesboro-Franklin, TN	34980	283 i		240		43 i
Peoria, IL	37900	0 - 1,114 i		0 - 1,114	i	0 - 1,114 i
Winston-Salem, NC	49180	260 - 1,375		261		0 - 1,114
All other CBSAs		22,779		19,262		3,517

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Locations outside a CBSA		3,581 i	2,167 i	1,414 i
Undistributed ^a		2,181	1,561	620

e = estimated; > 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 BRD-1 that were not allocated to a specific location by multi-establishment companies. For single-establishment companies, data reported were allocated to the location in the address used to mail the survey 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. 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 U.S. Census Bureau, Business Research and Development Survey, 2017.