

TABLE 14

Domestic R&D paid for by the company and others and performed by the company, by source of funds and core-based statistical area: 2022

(Millions of U.S. dollars)

Core-based statistical area (CBSA)	CBSA code	Total	Paid for by the company	Paid for by others
All locations		691,547	608,058	83,489
San Jose-Sunnyvale-Santa Clara, CA	41940	105,158	101,098	4,060
San Francisco-Oakland-Fremont, CA	41860	76,826	74,443	2,383
Seattle-Tacoma-Bellevue, WA	42660	54,976	53,467	1,509
Boston-Cambridge-Newton, MA-NH	14460	46,915	40,756	6,159
New York-Newark-Jersey City, NY-NJ	35620	44,758	39,196	5,562
Los Angeles-Long Beach-Anaheim, CA	31080	23,345	17,860	5,486
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	37980	20,268	15,044	5,223 i
Detroit-Warren-Dearborn, MI	19820	19,955	18,389	1,566
San Diego-Chula Vista-Carlsbad, CA	41740	19,742	17,384	2,358 i
Chicago-Naperville-Elgin, IL-IN	16980	15,183	14,072	1,111 i
Portland-Vancouver-Hillsboro, OR-WA	38900	12,671	12,478	193
Washington-Arlington-Alexandria, DC-VA-MD-WV	47900	11,731	8,529	3,202
Dallas-Fort Worth-Arlington, TX	19100	11,147 i	8,886	2,261 i
Austin-Round Rock-San Marcos, TX	12420	10,941	9,730	1,211
Indianapolis-Carmel-Greenwood, IN	26900	8,715	7,394	1,321 i
Phoenix-Mesa-Chandler, AZ	38060	8,635	7,547	1,088
Minneapolis-St. Paul-Bloomington, MN-WI	33460	7,643	7,227	416
Atlanta-Sandy Springs-Roswell, GA	12060	7,486	6,591	894 i
Trenton-Princeton, NJ	45940	6,559	5,087	1,472 i
Durham-Chapel Hill, NC	20500	6,421	3,960	2,461 i
Denver-Aurora-Centennial, CO	19740	6,046 i	4,299	1,747 i
Houston-Pasadena-The Woodlands, TX	26420	5,742	4,469	1,273 i
Cincinnati, OH-KY-IN	17140	5,225	2,988	2,237
Norwich-New London-Willimantic, CT	35980	D	D	D
St. Louis, MO-IL	41180	4,473	3,933	540
Raleigh-Cary, NC	39580	4,154 i	2,667	1,487 i
Columbus, OH	18140	3,811	3,589	222 i
Miami-Fort Lauderdale-West Palm Beach, FL	33100	3,533	3,065	468 i
Pittsburgh, PA	38300	3,454	3,241	213 i
Baltimore-Columbia-Towson, MD	12580	3,200 i	2,120	1,079 i
Bridgeport-Stamford-Danbury, CT	14860	3,165	2,286	879 i
Madison, WI	31540	3,003	2,139	864 i
Sacramento-Roseville-Folsom, CA	40900	2,783 i	2,597 i	186 i
Oxnard-Thousand Oaks-Ventura, CA	37100	2,783	2,323	461 i
Kansas City, MO-KS	28140	2,581	1,805	776 i
Boise City, ID	14260	2,553	2,525	28 i
Tampa-St. Petersburg-Clearwater, FL	45300	2,527	1,679	848
Huntsville, AL	26620	2,473	1,127	1,346
Manchester-Nashua, NH	31700	2,382	633	1,749
Milwaukee-Waukesha, WI	33340	2,346	2,238	109
Salt Lake City-Murray, UT	41620	2,085	2,041	44
Hartford-West Hartford-East Hartford, CT	25540	2,071 i	1,469	601 i
Charlotte-Concord-Gastonia, NC-SC	16740	2,056 i	1,938 i	118 i
Boulder, CO	14500	1,943 i	1,721	221 i
Orlando-Kissimmee-Sanford, FL	36740	1,919 i	1,341	578 i
Nashville-Davidson-Murfreesboro-Franklin, TN	34980	1,860 i	855 i	1,005 i
Kalamazoo-Portage, MI	28020	1,750 i	1,708 i	42 i
Albuquerque, NM	10740	1,711	1,397	314 i

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Worcester, MA	49340	1,677	1,438	238
Omaha, NE-IA	36540	1,650	1,607	42 i
Cleveland, OH	17410	1,548	1,400	148 i
Providence-Warwick, RI-MA	39300	1,486	1,437	49 i
Palm Bay-Melbourne-Titusville, FL	37340	1,455 i	855 i	600 i
Albany-Schenectady-Troy, NY	10580	1,441	963	478
Tucson, AZ	46060	1,370	459 i	911
Provo-Orem-Lehi, UT	39340	1,328	1,221	107
Charleston-North Charleston, SC	16700	1,278	1,107	171 i
Riverside-San Bernardino-Ontario, CA	40140	1,273 i	1,188 i	85 i
Greensboro-High Point, NC	24660	1,270 i	1,091 i	179
Des Moines-West Des Moines, IA	19780	1,265	1,237	28 i
Rochester, NY	40380	1,212 i	1,152 i	60 i
Fort Collins-Loveland, CO	22660	1,155 i	1,049 i	107 i
Richmond, VA	40060	1,119 i	881 i	237 i
Colorado Springs, CO	17820	1,103 i	824 i	279 i
San Antonio-New Braunfels, TX	41700	1,062 i	697 i	365 i
Allentown-Bethlehem-Easton, PA-NJ	10900	1,048	1,001	47 i
Cedar Rapids, IA	16300	1,002 i	456 i	546 i
Jacksonville, FL	27260	962 i	924 i	39
Peoria, IL	37900	955 i	928 i	27
Columbus, IN	18020	D	D	D
New Haven, CT	35300	D	D	D
Las Vegas-Henderson-North Las Vegas, NV	29820	934	895	38 i
Santa Maria-Santa Barbara, CA	42200	915	745	170 i
Corning, NY	18500	911	910	1 i
Grand Rapids-Wyoming-Kentwood, MI	24340	884	819	65
Akron, OH	10420	826	791	35
Ann Arbor, MI	11460	707	503	204
Buffalo-Cheektowaga, NY	15380	645 i	411	234 i
Wilmington, NC	48900	634 i	212	421 i
Santa Rosa-Petaluma, CA	42220	627	597	30 i
Memphis, TN-MS-AR	32820	617	469	147
Dayton-Kettering-Beavercreek, OH	19430	609	383	226
Santa Cruz-Watsonville, CA	42100	600 i	559 i	41 i
Reno, NV	39900	592	291	300
Portland-South Portland, ME	38860	581	524	56
Bloomington, IL	14010	575	568	7 i
Burlington-South Burlington, VT	15540	568	516	52
Wichita, KS	48620	516	508	8 e
Davenport-Moline-Rock Island, IA-IL	19340	510	498	13
Virginia Beach-Chesapeake-Norfolk, VA-NC	47260	507 i	377 i	129
Greenville-Anderson-Greer, SC	24860	458 i	417	41 i
Winston-Salem, NC	49180	452	399	53 i
Birmingham, AL	13820	440	390	49
Brownsville-Harlingen, TX	15180	426	425	1 i
Bakersfield-Delano, CA	12540	423	332	92 i
Corpus Christi, TX	18580	416	413	2 i
Syracuse, NY	45060	386 i	340 i	46 i

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Tulsa, OK	46140	368	339	28 i
Kiryas Joel-Poughkeepsie-Newburgh, NY	28880	367 i	363 i	4 i
Daphne-Fairhope-Foley, AL	19300	D	D	D
All other CBSAs		32,893 i	28,859	4,033 i
Locations outside a CBSA		6,140	5,298	842
Undistributed ^a		765	703	62

D = data withheld to avoid disclosing operations of individual companies; 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 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 \$50,000 or more of R&D and are not comparable with estimates published for years prior to 2018. 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). 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 Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2022.