

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: 2020

(Millions of U.S. dollars)

Core-based statistical area (CBSA)	CBSA code	Total	Paid for by the company	Paid for by others
All locations		537,619	466,162	71,457
San Jose-Sunnyvale-Santa Clara, CA	41940	83,119	78,190	4,930
San Francisco-Oakland-Hayward, CA	41860	61,710	59,379	2,332
Seattle-Tacoma-Bellevue, WA	42660	40,126	39,163	963
New York-Newark-Jersey City, NY-NJ-PA	35620	34,534	30,993	3,542
Boston-Cambridge-Newton, MA-NH	14460	30,066	25,285	4,781
Los Angeles-Long Beach-Anaheim, CA	31080	24,112	17,205 i	6,907
Detroit-Warren-Dearborn, MI	19820	16,326	14,211	2,115 i
San Diego-Carlsbad, CA	41740	14,674	12,391	2,283 i
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	37980	13,452	11,113	2,339
Chicago-Naperville-Elgin, IL-IN-WI	16980	11,743	11,141	602
Portland-Vancouver-Hillsboro, OR-WA	38900	10,166	9,959	207
Austin-Round Rock, TX	12420	10,148 i	9,385 i	763 i
Dallas-Fort Worth-Arlington, TX	19100	9,199	7,308	1,891 i
Washington-Arlington-Alexandria, DC-VA-MD-WV	47900	8,680	5,883	2,797
Minneapolis-St. Paul-Bloomington, MN-WI	33460	7,091	6,665	427
Phoenix-Mesa-Scottsdale, AZ	38060	6,269 i	4,183 i	2,086 i
Indianapolis-Carmel-Anderson, IN	26900	5,862 i	5,032 i	830
St. Louis, MO-IL	41180	5,312	3,426	1,886 i
Houston-The Woodlands-Sugar Land, TX	26420	4,844	4,395	449
Trenton, NJ	45940	4,789	3,398	1,391
Durham-Chapel Hill, NC	20500	4,544 i	2,904	1,640 i
Atlanta-Sandy Springs-Roswell, GA	12060	4,523	3,617	906 i
Norwich-New London, CT	35980	4,357	3,435	922
Cincinnati, OH-KY-IN	17140	4,070	2,774	1,296 i
Raleigh, NC	39580	3,808 i	2,316	1,493 i
Denver-Aurora-Lakewood, CO	19740	3,224	2,935	289
Sacramento-Roseville-Arden-Arcade, CA	40900	2,864 i	2,640 i	224
Baltimore-Columbia-Towson, MD	12580	2,806	2,025	781 i
Kansas City, MO-KS	28140	2,769 i	1,954	815 i
Oxnard-Thousand Oaks-Ventura, CA	37100	2,660	2,193	467 i
Milwaukee-Waukesha-West Allis, WI	33340	2,227	2,105	122
Madison, WI	31540	2,203	1,553	650 i
Charlotte-Concord-Gastonia, NC-SC	16740	2,125 i	2,014 i	111
Columbus, OH	18140	2,053	1,017	1,036
Tampa-St. Petersburg-Clearwater, FL	45300	2,047	1,337	710
Boise City, ID	14260	2,036	1,978	58
Miami-Fort Lauderdale-West Palm Beach, FL	33100	2,002 i	1,712 i	290 i
Manchester-Nashua, NH	31700	2,000	0 - 1,899	101 - 2,001
Huntsville, AL	26620	1,990	490	1,500
Pittsburgh, PA	38300	1,864	1,718	147
Bridgeport-Stamford-Norwalk, CT	14860	1,754	1,433 i	321
Cleveland-Elyria, OH	17460	1,731	1,543	188
Kalamazoo-Portage, MI	28020	1,720	1,352	367 i
Salt Lake City, UT	41620	1,682	1,525	157 i
Boulder, CO	14500	1,673	1,573	100 i
Providence-Warwick, RI-MA	39300	1,636 i	1,501 i	135 i
Worcester, MA-CT	49340	1,567	1,395 i	172
Des Moines-West Des Moines, IA	19780	1,164 i	1,152 i	12 i
Orlando-Kissimmee-Sanford, FL	36740	1,161 i	867 i	294 i

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Albany-Schenectady-Troy, NY	10580	1,080	746	334
Provo-Orem, UT	39340	1,070	992	78
Rochester, NY	40380	1,010	963	47
Cheyenne, WY	16940	1,005 i	1,002 i	2
Akron, OH	10420	973	714	260 i
Riverside-San Bernardino-Ontario, CA	40140	973	905	68 i
Albuquerque, NM	10740	971	697	274
Greensboro-High Point, NC	24660	958 i	834 i	123 i
Fort Collins, CO	22660	935 i	887 i	48
Allentown-Bethlehem-Easton, PA-NJ	10900	915 i	872 i	42
Palm Bay-Melbourne-Titusville, FL	37340	891 i	558 i	333 i
New Haven-Milford, CT	35300	878 i	822 i	56 i
Ames, IA	11180	842 i	0 - 843	0 - 843 i
Grand Rapids-Wyoming, MI	24340	818	624	193
Peoria, IL	37900	807 i	792 i	15 i
Santa Maria-Santa Barbara, CA	42200	799	647	152 i
Hartford-West Hartford-East Hartford, CT	25540	786	676	109 i
Tucson, AZ	46060	767	648	119
Richmond, VA	40060	741 i	599	141 i
Columbus, IN	18020	720	641	79
Buffalo-Cheektowaga-Niagara Falls, NY	15380	711 i	488	223 i
Ann Arbor, MI	11460	699	472	226
Lancaster, PA	29540	656 i	616 i	40 i
Wilmington, NC	48900	653 i	27 i	627 i
Syracuse, NY	45060	653 i	357	296 i
Santa Rosa, CA	42220	650 i	623 i	27 i
Omaha-Council Bluffs, NE-IA	36540	638	582	56
Jacksonville, FL	27260	628 i	596 i	31 i
Nashville-Davidson-Murfreesboro-Franklin, TN	34980	606	555	51 i
Pueblo, CO	39380	599 i	40 i	560 i
Dayton, OH	19380	592	288 i	304
Louisville-Jefferson County, KY-IN	31140	574	284	290
Las Vegas-Henderson-Paradise, NV	29820	562	526	36
Bloomington, IL	14010	556	536	21 i
San Antonio-New Braunfels, TX	41700	556 i	469 i	87
Colorado Springs, CO	17820	552 i	456 i	97
Wichita, KS	48620	490	479	11
Oshkosh-Neenah, WI	36780	454	450	4
Charleston-North Charleston, SC	16700	447	294	153 i
Binghamton, NY	13780	447 i	116 i	331 i
Toledo, OH	45780	419	390	29 i
Barnstable Town, MA	12700	396	0 - 397	0 - 397 i
Virginia Beach-Norfolk-Newport News, VA-NC	47260	390	220 i	170
Portland-South Portland, ME	38860	369	326	44
Warsaw, IN	47700	362	362	* e
Bakersfield, CA	12540	361	239	122 i
Ogden-Clearfield, UT	36260	359 i	298 i	61
Corning, NY	18500	1 - 1,048 i	0 - 1,046 i	2 i
Davenport-Moline-Rock Island, IA-IL	19340	367 - 1,414	368	0 - 1,046 i
Memphis, TN-MS-AR	32820	331 - 1,378	332	0 - 1,046 i

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Niles-Benton Harbor, MI	35660	348 - 1,395	349	0 - 1,046 i
All other CBSAs		27,078	23,474	3,604 i
Locations outside a CBSA		2,883	2,608	275 i
Undistributed ^a		807	707	100

* = amount < \$500,000; 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. 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 Census Bureau, Business Enterprise Research and Development Survey, 2020.