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: 2018

(Millions of U.S. dollars)

<table>
<thead>
<tr>
<th>Core-based statistical area</th>
<th>CBSA code</th>
<th>Total</th>
<th>Paid for by the company</th>
<th>Paid for by others</th>
</tr>
</thead>
<tbody>
<tr>
<td>All locations</td>
<td>441,036</td>
<td>377,806</td>
<td>63,230</td>
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<td>41940</td>
<td>67,394</td>
<td>62,670</td>
<td>4,725</td>
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<td>San Francisco-Oakland-Berkeley, CA</td>
<td>41860</td>
<td>40,364</td>
<td>39,010</td>
<td>1,355</td>
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<td>26,436</td>
<td>3,346</td>
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<td>42660</td>
<td>29,321</td>
<td>28,605</td>
<td>716</td>
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<td>14460</td>
<td>25,458</td>
<td>20,888</td>
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<td>17,943</td>
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<td>16,565</td>
<td>11,380</td>
<td>5,186</td>
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<tr>
<td>San Diego-Chula Vista-Carlsbad, CA</td>
<td>41740</td>
<td>12,445</td>
<td>10,400</td>
<td>2,046</td>
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<td>37980</td>
<td>11,780</td>
<td>9,483</td>
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<td>7,066</td>
<td>745</td>
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<td>7,180</td>
<td>6,780</td>
<td>4,023</td>
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<td>6,799</td>
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<td>5,283</td>
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<td>4,397</td>
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<td>4,023</td>
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<td>4,430</td>
<td>4,298</td>
<td>1,933</td>
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<td>3,265</td>
<td>906</td>
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<td>3,154 - 3,915</td>
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<tr>
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<td>39580</td>
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<td>1,929</td>
<td>745</td>
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<td>1,578</td>
<td>953</td>
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<tr>
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<td>2,444</td>
<td>1,733</td>
<td>711</td>
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<td>Boise City, ID</td>
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<td>1,742</td>
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<td>1,516</td>
<td>1,319</td>
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<tr>
<td>Boulder, CO</td>
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<tr>
<td>Tampa-St. Petersburg-Clearwater, FL</td>
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<td>1,506</td>
<td>1,427</td>
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<td>Providence-Warwick, RI-MA</td>
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<td>1,451</td>
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<td>575 i</td>
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<tr>
<td>Tucson, AZ</td>
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<td>750 i</td>
<td>675 i</td>
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<tr>
<td>Charlotte-Concord-Gastonia, NC-SC</td>
<td>16740</td>
<td>1,361</td>
<td>1,307 i</td>
<td>54 i</td>
</tr>
<tr>
<td>Worcester, MA-CT</td>
<td>49340</td>
<td>1,172</td>
<td>1,019</td>
<td>153 i</td>
</tr>
<tr>
<td>Albany-Schenectady-Troy, NY</td>
<td>10580</td>
<td>1,169</td>
<td>920</td>
<td>249 i</td>
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<tr>
<td>Cedar Rapids, IA</td>
<td>16300</td>
<td>1,080</td>
<td>0 - 1,081</td>
<td>0 - 1,081</td>
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</tbody>
</table>
### 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: 2018
(Millions of U.S. dollars)

<table>
<thead>
<tr>
<th>Core-based statistical area</th>
<th>CBSA code</th>
<th>Total</th>
<th>Paid for by the company</th>
<th>Paid for by others</th>
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</thead>
<tbody>
<tr>
<td>Palm Bay-Melbourne-Titusville, FL</td>
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<td>1,065</td>
<td>230</td>
<td>834</td>
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<td>New Haven-Milford, CT</td>
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<td>967</td>
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<td>Orlando-Kissimmee-Sanford, FL</td>
<td>36740</td>
<td>978</td>
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<td>270</td>
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<td>Rochester, NY</td>
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<td>Santa Maria-Santa Barbara, CA</td>
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<td>712</td>
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<td>699</td>
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<tr>
<td>Ann Arbor, MI</td>
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<td>759</td>
<td>557</td>
<td>202</td>
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<tr>
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<td>564</td>
<td>176</td>
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<td>700</td>
<td>28</td>
</tr>
<tr>
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<td>634</td>
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<td>624</td>
<td>295</td>
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<td>314</td>
<td>304</td>
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<tr>
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<td>79</td>
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<td>San Antonio-New Braunfels, TX</td>
<td>41700</td>
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<td>505</td>
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<td>Bloomington, IL</td>
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<td>510</td>
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<tr>
<td>Greenville-Anderson, SC</td>
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<td>460</td>
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<tr>
<td>Santa Rosa-Petaluma, CA</td>
<td>42220</td>
<td>485</td>
<td>469</td>
<td>16</td>
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<td>471</td>
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<td>42340</td>
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</tbody>
</table>
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: 2018
(Millions of U.S. dollars)

<table>
<thead>
<tr>
<th>Core-based statistical area</th>
<th>CBSA code</th>
<th>Total</th>
<th>Paid for by the company</th>
<th>Paid for by others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spokane-Spokane Valley, WA</td>
<td>44060</td>
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<td>303</td>
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<tr>
<td>All other CBSAs</td>
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<td>20,206</td>
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<td>Locations outside a CBSA</td>
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<td>2,399</td>
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<sup>a</sup> Includes data reported that were not allocated to a specific state by multi-establishment companies. For single-establishment companies, data reported were allocated to the state in the address used to mail the survey form.

* = amount < $500,000; 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.

Note(s):
Detail may not add to total because of rounding. Beginning in survey year 2018, statistics are representative of companies located in the United States that performed or funded $50,000 or more of R&D. This change has affected the comparability of these estimates 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):