### TABLE A-10

**Companies that required an analyst action, by sampling stratum: 2019**

(Numbers)

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Total</th>
<th>Companies deleted&lt;sup&gt;a&lt;/sup&gt;</th>
<th>Companies requiring action due to merger or acquisition&lt;sup&gt;b&lt;/sup&gt;</th>
<th>Companies requiring action due to analyst review&lt;sup&gt;c&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>3,100</td>
<td>3,000</td>
<td>100</td>
<td>N &lt; 15</td>
</tr>
<tr>
<td>Known positive R&amp;D</td>
<td>900</td>
<td>800</td>
<td>60</td>
<td>N &lt; 15</td>
</tr>
<tr>
<td>Certainties</td>
<td>650</td>
<td>600</td>
<td>50</td>
<td>N &lt; 15</td>
</tr>
<tr>
<td>Noncertainties</td>
<td>250</td>
<td>250</td>
<td>N &lt; 15</td>
<td>N &lt; 15</td>
</tr>
<tr>
<td>Known zero R&amp;D</td>
<td>100</td>
<td>100</td>
<td>N &lt; 15</td>
<td>0</td>
</tr>
<tr>
<td>Certainties</td>
<td>60</td>
<td>60</td>
<td>N &lt; 15</td>
<td>0</td>
</tr>
<tr>
<td>Noncertainties</td>
<td>40</td>
<td>40</td>
<td>N &lt; 15</td>
<td>0</td>
</tr>
<tr>
<td>Unknown R&amp;D</td>
<td>2,100</td>
<td>2,000</td>
<td>50</td>
<td>N &lt; 15</td>
</tr>
<tr>
<td>Certainties</td>
<td>500</td>
<td>450</td>
<td>20</td>
<td>N &lt; 15</td>
</tr>
<tr>
<td>Noncertainties</td>
<td>1,600</td>
<td>1,600</td>
<td>30</td>
<td>N &lt; 15</td>
</tr>
<tr>
<td>Cases not in the frame</td>
<td>30</td>
<td>20</td>
<td>N &lt; 15</td>
<td>N &lt; 15</td>
</tr>
</tbody>
</table>

<sup>a</sup> Companies are deleted when they are found to be out of business or out of scope for the survey during the reporting period.

<sup>b</sup> Information regarding mergers and acquisitions comes from several sources. The information is collected on the form, and there is a presurvey phone call that requests the information from top R&D-performing companies. Information may also come from the company profiles that are maintained by survey staff.

<sup>c</sup> These companies are added based on a review of historic R&D and reported to the Business Enterprise Research and Development Survey and public information available on the companies’ R&D expenses.

**Note(s):**

Beginning in survey year 2019, counts reflect a change in rounding methodology. Detail may not add to total because of rounding. Companies were said to be known to conduct R&D (known positive R&D) if they reported positive R&D in any of the previous 5 survey years. Companies were said to have known zero R&D if they reported zero R&D in at least 1 of the previous 3 survey years and no positive R&D in any of the previous 5 survey years. Companies were said to be unknown if no R&D information was available.

**Source(s):**