|                      | -                 | Manufacturing |           |           |                        |           |                             |       |          | Nonmanufacturing |  |                    |      |  |  |  |
|----------------------|-------------------|---------------|-----------|-----------|------------------------|-----------|-----------------------------|-------|----------|------------------|--|--------------------|------|--|--|--|
| State                | All<br>industries |               |           | Machinery | Computer and           |           | Transportation<br>equipment | Other | Total    | Information      | Professional,<br>technical, and<br>scientific services | Wholesale<br>trade | Othe |  |  |  |
|                      |                   | Total         | Chemicals |           | electronic<br>products |           |                             |       |          |                  |  |                    |      |  |  |  |
|                      |                   |               |           | ,         |                        | equipment |                             |       |          |                  |  |                    |      |  |  |  |
| All states           | 39,700            | 33,019        | 16,134    | 1,076     | 9,568                  | 643       | 2,742                       | 2,856 | 6,681    | 1,969            | 2,949  | 364                | 1,39 |  |  |  |
| Alabama              | 52                | 46            | 3         | D         | D                      | 0         | D                           | *     | 7        | D                | 3  | 0                  |      |  |  |  |
| Alaska               | D                 | D             | *         | D         | 0                      | 0         | D                           | 0     | 0        | 0                | 0  | 0                  |      |  |  |  |
| Arizona              | 344               | 289           | 54        | D         | 124                    | D         | 44                          | D     | 55       | 41               | 14   | 0                  |      |  |  |  |
| Arkansas             | 16                | 16            | D         | 0         | 0                      | D         | *                           | 1     | 1        | *                | *  | 0                  |      |  |  |  |
| California           | 6,609             | 5,255         | 2,768     | 32        | 2,032                  | 43        | 208                         | 172   | 1,354    | 779              | 526  | 26                 | 4    |  |  |  |
| Colorado             | 498               | 455           | 29        | 26        | 177                    | 2         | D                           | D     | 43       | D                | 20   | D                  |      |  |  |  |
| Connecticut          | 687               | 660           | 466       | 71        | 12                     | 0         | 3                           | 109   | 27       | D                | 22   | D                  |      |  |  |  |
| Delaware             | D                 | D             | D         | 0         | D                      | 0         | 0                           | D     | 1        | *                | *  | 0                  |      |  |  |  |
| District of Columbia | 7                 | D             | D         | 0         | 1                      | 0         | 0                           | 0     | D        | 5                | D  | 0                  |      |  |  |  |
| Florida              | 428               | 401           | 86        | D         | 293                    | 3         | 5                           | D     | 27       | 11               | 16   | 0                  |      |  |  |  |
| Georgia              | 223               | 162           | 24        | 6         | 46                     | D         | 26                          | D     | 61       | D                | 22   | D                  |      |  |  |  |
| Hawaii               | 60                | 59            | D         | 0         | D                      | 0         | 0                           | D     | 1        | 0                | 1  | 0                  |      |  |  |  |
| Idaho                | 27                | 25            | 14        | D         | 2                      | 4         | 0                           | D     | 2        | 1                | 1  | 0                  |      |  |  |  |
| Illinois             | 1,355             | 1,261         | 889       | 112       | 208                    | 4         | 12                          | 35    | 93       | D                | 18   | D                  |      |  |  |  |
| Indiana              | 391               | 358           | 95        | 8         | D                      | 6         | D                           | 51    | 33       | D                | D  | 0                  |      |  |  |  |
| lowa                 | 119               | 107           | 61        | 22        | *                      | D         | *                           | D     | 12       | D                | D  | 0                  |      |  |  |  |
| Kansas               | 384               | 382           | 53        | D         | D                      | 0         | D                           | D     | 2        | *                | *  | 0                  |      |  |  |  |
| Kentucky             | 67                | 62            | 19        | 0         | 14                     | D         | 4                           | D     | 5        | 2                | 2  | 1                  |      |  |  |  |
| Louisiana            | 44                | D             | 9         | 0         | *                      | 0         | 0                           | D     | D        | *                | - 3  | 0                  |      |  |  |  |
| Maine                | D                 | D             | *         | 0         | *                      | 0         | 0                           | D     | D        | *                | D  | 0                  |      |  |  |  |
| Maryland             | 708               | 626           | 505       | 1         | 44                     | 0         | D                           | D     | 82       | 1                | 75   | 1                  |      |  |  |  |
| Massachusetts        | 2,662             | 1,739         | 913       | 5         | 575                    | 2         | 3                           | 241   | 923      | D                | 780  | D                  |      |  |  |  |
| Michigan             | 1,190             | 1,099         | 109       | 16        | 46                     | 3         | 878                         | 47    | 92       | 1                | 66   | 21                 |      |  |  |  |
| Minnesota            | 630               | 603           | 48        | 10        | 482                    | D         | D                           | D     | 27       | D                | 15   | 0                  |      |  |  |  |
| Mississippi          | 12                | 11            | 40        | 0         | 402                    | 0         | 0                           | 0     | 1        | *                | *  | *                  |      |  |  |  |
| Missouri             | 249               | 245           | 85        | *         | 8                      | D         | 2                           | D     | 4        | 2                | 2  | 0                  |      |  |  |  |
| Montana              | 4                 | 245           | 1         | 0         | 0                      | 0         | 2                           | 0     | 3        | ۲<br>*           | 2  | 0                  |      |  |  |  |
| Nebraska             | 4<br>21           | D             | 14        | 0         | 3                      | 0         | D                           | 0     | D        | *                | D  | 0                  |      |  |  |  |
| Nevada               | 48                | D             | 14        | D         | 2                      | D         | D<br>*                      | 0     | D        | D                | 1  | 0                  |      |  |  |  |
|                      | 40<br>933         | 931           |           | D         | D                      |           | D                           | D     |          | D<br>1           | 1  | 0                  |      |  |  |  |
| New Hampshire        |                   |               | 3         | 0         | 231                    | D<br>D    | D<br>10                     | D     | 2<br>205 | 9                |  | U<br>*             |      |  |  |  |
| New Jersey           | 6,833             | 6,629         | 6,240     |           |                        |           |                             |       | 205      |                  | 165  | 0                  |      |  |  |  |
| New Mexico           | D                 | D             | D         | 0         | 0                      | 0         | 0                           | 0     |          | 0                |  | 0                  |      |  |  |  |
| New York             | 650               | 577           | 110       | 58        | 252                    | 14        | 46                          | 97    | 73       | D                | 18   |                    |      |  |  |  |
| North Carolina       | 871               | 783           | 369       | D         | 221                    | 66        | 97                          | D     | 87       | 4                | 82   | 1                  |      |  |  |  |
| North Dakota         | D                 | D             | *         | D         | 0                      | 0         | 0                           | 0     | 0        | 0                | 0  | 0                  |      |  |  |  |
| Ohio                 | 1,038             | 959           | 180       | 26        | 77                     | 8         | D                           | D     | 79       | D<br>*           | D  |                    |      |  |  |  |
| Oklahoma             | 12                | 9             | D         | D         | D                      | 0         | 3                           | 0     | 3        |                  | 1  | 0                  |      |  |  |  |
| Oregon               | 332               | 311           | 12        | D         | 107                    | 3         | D                           | D     | 20       | D                | D  | D                  |      |  |  |  |

TABLE 40. Domestic R&D performed by majority-owned U.S. affiliates of foreign MNCs, by selected state and industry: BRDIS 2010 (Millions of U.S. dollars)

|                |                   | Manufacturing |           |           |  |                           |                             |       |       |             | Nonmanufacturing                                       |                    |  |  |  |
|----------------|-------------------|---------------|-----------|-----------|--|---------------------------|-----------------------------|-------|-------|-------------|--|--------------------|--|--|--|
| State          | All<br>industries | Total         | Chemicals | Machinery | Computer and<br>electronic<br>products | Electrical 1<br>equipment | Fransportation<br>equipment | Other | Total | Information | Professional,<br>technical, and<br>scientific services | Wholesale<br>trade |  |  |  |
| Pennsylvania   | 1,709             | 1,602         | 923       | 54        | 463                                    | D                         | 39                          | D     | 108   | 22          | 85   | 0                  |  |  |  |
| Rhode Island   | 46                | D             | 11        | 0         | D                                      | 0                         | 0                           | 14    | D     | *           | *  | 0                  |  |  |  |
| South Carolina | 287               | 282           | 14        | D         | 8                                      | 4                         | D                           | 207   | 5     | D           | 4  | 0                  |  |  |  |
| South Dakota   | D                 | D             | D         | 0         | 0                                      | 0                         | 0                           | 0     | 7     | 0           | 7  | 0                  |  |  |  |
| Tennessee      | 149               | 137           | 11        | 5         | D                                      | D                         | 25                          | 11    | 11    | *           | 11   | 0                  |  |  |  |
| Texas          | 2,782             | 1,598         | 323       | 43        | 902                                    | 11                        | 4                           | 315   | 1,184 | 27          | 202  | 0                  |  |  |  |
| Utah           | 81                | 47            | 4         | 2         | 27                                     | 1                         | 0                           | 13    | 34    | D           | D  | 0                  |  |  |  |
| Vermont        | 10                | 5             | 1         | *         | 0                                      | 2                         | 0                           | 2     | 5     | D           | D  | 0                  |  |  |  |
| Virginia       | 204               | 72            | 6         | 12        | 17                                     | 0                         | 12                          | 25    | 131   | 39          | 92   | 0                  |  |  |  |
| Washington     | 380               | 254           | 8         | 5         | 224                                    | 0                         | 1                           | 17    | 126   | D           | 88   | D                  |  |  |  |
| West Virginia  | 15                | D             | D         | 0         | 0                                      | 0                         | 0                           | 1     | D     | 0           | D  | 0                  |  |  |  |

29

0

D

Other

1 D

D

0 0

955

D

D \*

D

0

\*

\*

68

0

0

D

TABLE 40. Domestic R&D performed by majority-owned U.S. affiliates of foreign MNCs, by selected state and industry: BRDIS 2010

D \* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies.

173

3

199

5,464

3

Wisconsin

Wyoming

Undistributed<sup>a</sup>

BRDIS = Business R&D and Innovation Survey; FDIUS = Foreign Direct Investment in the United States; MNC = multinational company.

27

3

360

23

809

\*

<sup>a</sup> Includes data reported on Form BRDI-1 that were not allocated to a specific state. Data reported on Form BRDI-1A were allocated to the state in the address on the company's survey form, which is usually the company's headquarters.

D

0

197

D

0

448

25

\*

D

23

0

793

2

\*

D

5

0

402

NOTES: Data from BRDIS (cosponsored by the National Science Foundation and the U.S. Census Bureau) are matched to data from the FDIUS survey (conducted by the Bureau of Economic Analysis). BRDIS data in this table are for matched companies, where BRDIS-reported worldwide R&D expense plus worldwide R&D costs funded by others is greater than zero. Data are not weighted. Detail may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, U.S. Bureau of Economic Analysis, and U.S. Census Bureau, R&D Data Link Project, 2008–10.